

# Home Entertainment

A SPECIAL FROM THE EDITORS OF *AUDIO VIDEO INTERIORS*

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## Shoppers Guide

## Products, Prices and Features for Home Theater Shoppers



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# Home Entertainment

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# WOULD YOU DO THIS TO YOUR AUDIO?



## THEN.... DON'T DO IT TO YOUR VIDEO!

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*Home Theater, August, 2000*



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# Home Entertainment

## Shoppers Guide

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# HOME THEATER FOR GROWN UPS

Plasma displays, in-wall speakers, digital receivers, big screen TVs? AVI's Home Entertainment Shoppers Guide can help you make the right buying decisions.

You've dreamed about it for years—owning a big screen TV, your own surround sound system with a subwoofer—maybe even two. Perhaps you're like the millions of people who recently bought a DVD player. You love it but that trusty old receiver you've had since college doesn't play Dolby Digital and DTS. And let's talk about those satellite speakers. Remember how proud you were installing them in the corners of your living room? It was right around the time that you took your cousin's old couch off his hands. Now, they look like awkward boxes with a big wire running down the wall.

Face it—you've grown up. You've bought real furniture; you live in a real house and yet you're surrounded with audio/video equipment from the Bush Administration (Senior, of course). If you think it's time for an upgrade, AVI can guide you through the confusing maze of products and technologies with the information and examples assembled within this *Home Entertainment Shoppers Guide*.

Thanks to the astounding popularity of DVD, the consumer electronics industry has undergone a digital renaissance—a dazzling domino effect that has altered the meaning of home theater. Rear projection TVs are no longer those fuzzy novelty boxes you once saw in sports bars. Receivers are now capable of interpreting and separating digital signals in an astounding number of frequencies that together produce the perfect sound. Speakers, even subwoofers, can be surreptitiously installed in the wall—and sound better than the refrigerator-size speakers of yesteryear. And of course, plasma TVs—the Holy Grail of home theater—are now better and more affordable than ever.

What does this mean for you, the consumer pondering an audio/video upgrade? There are a lot of options from which to choose. Hopefully your parents taught you that the best decision is an informed one. Our Shoppers Guide is separated into four categories of upgrade-driven products—Plasma TVs, Rear Projection TVs, In-Wall Speakers and Audio/Video Receivers. Each product guide briefly describes the implications of that technology, and offers a no-nonsense chart listing brand specifications—including prices and features. To demonstrate real-life usage of such products, we're including some of our favorite Interiors from AVI as supreme examples of how such equipment can be integrated into your home.

We hope you study the Shoppers Guide, take it shopping with you, and compare products for yourself. Each retailer you visit will offer different selections of gear, so it's up to you to travel around and ask the right questions. This Shoppers Guide is exactly what it claims to be—a guide—and is not a definitive source for audio/video products. It's simply a roadmap for curious shoppers.

No matter what you decide, we hope this guide will help you select the products that best fit your home, lifestyle and budget. You owe it to yourself to buy the equipment you deserve. Sometimes being a grown up isn't so bad.

Enjoy!  
The Staff of AVI



Explore New  
Depths.

"How do they get this kind of bass out of such a tiny box? Deep, tight, tuneful, and loud enough to rattle pictures on the wall—this is serious subwoofing!"

Stereophile Guide to Home Theater,  
September 1998



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# WINDOWS TO THE WORLD

**Thinking about a plasma TV? Prices are shrinking, picture size is growing and technology is improving**

The heart of a standard color TV set is its picture tube. However, the problem with current picture tubes is that they're big and bulky. In some cases, the picture tube can weigh several hundred pounds alone. By contrast, most plasma sets weigh less than 100 pounds total. Mitsubishi was the first company to offer gas plasma technology sets for sale in 1997 and '98. The initial two models had screens with a 4:3 aspect ratios measuring 40-inches diagonally with a pixel resolution of 640 x 480. Mitsubishi discontinued these harbingers of things to come because the image quality was not what they had hoped.

Since then, many improvements have been made to plasma technology and more manufacturers—including Fujitsu, Sony, and Toshiba—have stepped up to the plate. Current screen sizes range from 42-inch to 60-inch (diagonal), virtually all exhibit an aspect ratio of 16:9 and many are hi-def capable.

## FROM FAT TO FLAT

How does this amazing technology work? The "picture tube" of a plasma displays called a plasma display panel (PDP). This panel is like a honeycomb sandwiched between two sheets of glass. Each cell of the honeycomb is filled with an inert gas and coated with a red, green or blue phosphor on the inside of the front surface; a group of adjacent red, green and blue cells forms one picture element, or pixel.

A tiny, transparent electrode is attached to the front of each cell and another electrode is attached to the back. When voltage is applied to the electrode, the gas molecules in the cell lose electrons and the gas becomes what is known as a plasma. These electron-deficient molecules, which are called ions, emit ultra-violet light, which causes the phosphor to glow in its characteristic color (red, green or blue). Some models feature a resolution of 800 x 600-pixel resolution, and others offer 852 x



480 resolution. Some models are now XGA-quality monitors (1280 x 768), which can accommodate 720-line HDTV signal.

## THE INFORMED CONSUMER

Prices range from \$7,000 to \$35,000, depending on screen size, features, and resolution. Although pricey, plasma visual displays have rich colors and high quality pictures in sharp contrast with smoothly moving images. If you are seriously considering purchasing one of these remarkable TVs, we offer you the following Buyers Guide. Keep in mind that plasmas TVs hung on the wall must be professionally installed. We encourage you to be an informed consumer and visit a specialty retail store that offers plasma TVs. The images are quite exceptional and need to be seen to be fully appreciated. ■



# 2001 PLASMA TV'S

Brand	Model Number	Screen Size-in.	Screen Modes	Signal Sources (Capable of receiving)	NTSC Channels
DAEWDD Summus	DSP-4270	42W	4	NTSC/PAL/SECAM/HDTV	0
FUJITSU Plasmavision	PDS-4209	42W	5	HD Capable	0
FUJITSU Plasmavision	PDS-4214	42W	5	HD Capable	0
FUJITSU Plasmavision	PDS-4221	42W	5	HDTV/NTSC/PAL/PAL Plus/SECAM	0
FUJITSU Plasmavision	PDS-4222	42W	5	HDTV/NTSC/PAL/PAL Plus/SECAM	0
HITACHI UltraVision Digital	CMP412HDUS	42W	5	HD Capable	0
JVC Professional	GD-V4210PZW	42W	4	HD Capable	0
LUCE	PDTV-422A	42W	8	HD Capable/NTSC/PAL/SECAM	181
LUCE	PDTV-500A	50W	8	HD Capable/NTSC/PAL/SECAM	181
MARANTZ	PD-4290D	42W	5	SD Ready	181
MARANTZ	PD-4292D	42W	5	HD Capable	0
MARANTZ	PD-4298HD	42W	5	HD Capable	0
MARANTZ	PD-5010D	50W	5	HD Capable	0
NEC PlasmaSync	5000W	50W	5	HDTV/NTSC/PAL/PAL Plus/SECAM	0
PANASONIC	PT-42P1	42W	4	HDTV/NTSC/PAL/PAL Plus/SECAM	0
PANASONIC	PT-42PD2-P	42W	4	SDTV/NTSC/PAL/PAL Plus/SECAM	0
PANASONIC	60WIDE	60W	4	HDTV/NTSC/PAL/PAL Plus/SECAM	0
PHILIPS FlatTV	42FD9932/FTR9952	42W	6	HD Capable	181
PIONEER	PDP-505HD	50W	5	HDTV/NTSC/PAL/PAL Plus/SECAM	0
PIONEER	PDP-V501X	50W	5	HDTV/NTSC/PAL/PAL Plus/SECAM	0
PIONEER	PDP-V502	50W	5	HDTV/NTSC/PAL/PAL Plus/SECAM	0
PRDSCAN CinemaScreen Monitor	PSP42300	42W	4	HD Capable	0
PRDSCAN CinemaScreen Monitor	PSP50100W	50W	4	HDTV/NTSC/PAL/PAL Plus/SECAM	0
RUNCO PlasmaWall HDTV	PL-42c	42W	5	HD Capable	0
RUNCO PlasmaWall HDTV	PL-42cx	42W	5	HD Capable	0
RUNCO PlasmaWall HDTV	PL-50c	50W	5	HD Capable	0
SAMPD AMERICA HDTV/MultiMedia Monitor	PME-42V3	42W	4	NTSC/PAL/HDTV	0
SAMSUNG	HPK4215	42W	4	HDTV/NTSC/PAL/PAL Plus/SECAM	0
SAMSUNG	HPL5025	50W	4	HDTV/NTSC/PAL/PAL Plus/SECAM	0
SHARP	LC-PD50U	50W	5	HD Capable	0
SDNY	PFM-500A2WU	42W	5	HD Capable	0
SONY	PFM-510A1WU	42W	5	HD Capable	0
SDNY	PFM-510A2WU	42W	5	HD Capable	0
TOSHIBA	50HP81	50W	5	VGA/XGA/SVGA/SXGA/UXGA	0
ZENITH EDTV	DPDP40V	40V	3	HDTV/NTSC/PAL	0
ZENITH EDTV	DPDP42W	42W	3	HDTV/NTSC/PAL/PAL Plus/SECAM	0
ZENITH HDTV	DPDP60W	60W	3	HDTV/NTSC/PAL	0

# 2001 PLASMA TV'S

Model	Model Number	Type of Remote	Dual Antenna Inputs	Special Picture Tube	Progressive Scan	Sharpness Control
DAEWOO Summus	DSP-4270	Standard	No	Gas Plasma	No	No
FUJITSU Plasmavision	PDS-4209	Standard	Yes	Gas Plasma-Neon/Xenon	Yes	No
FUJITSU Plasmavision	PDS-4214	Standard	Yes	Gas Plasma-Neon/Xenon	Yes	No
FUJITSU Plasmavision	PDS-4221	Standard	Yes	Gas Plasma-ALIS Method	Yes	No
FUJITSU Plasmavision	PDS-4222	Standard	Yes	Gas Plasma-ALIS Method	Yes	No
HITACHI UltraVision Digital	CMP412HDUS	Standard	Yes	Gas Plasma-ALIS Method	Yes	No
JVC Professional	GD-V4210PZW	Standard	Yes	Gas Plasma	Yes	No
LUCE	PDTV-422A	UNIVERSAL	Yes	Gas Plasma	Yes	Yes
LUCE	PDTV-500A	UNIVERSAL	Yes	Gas Plasma	Yes	Yes
MARANTZ	PD-4290D	Learning	Yes	Gas Plasma-Neon/Xenon	No	No
MARANTZ	PD-4292D	Learning	Yes	Gas Plasma-Neon/Xenon	Yes	No
MARANTZ	PD-4298HD	Learning	Yes	Gas Plasma-Neon/Xenon	Yes	No
MARANTZ	PD-5010D		Yes	Gas Plasma-Neon/Xenon	Yes	No
NEC PlasmaSync	5000W	Learning	Yes	Gas Plasma	Yes	Yes
PANASONIC	PT-42P1	Standard	Yes	Gas Plasma	No	No
PANASONIC	PT-42PD2-P	Standard	Yes	Gas Plasma	No	No
PANASONIC	60WIDE	Standard	Yes	Gas Plasma	No	No
PHILIPS FlatTV	42FD9932/FTR9952	Universal	Yes	Gas Plasma-Neon/Xenon	Yes	Yes
PIDNEER	PDP-505HD	Universal	Yes	Gas Plasma	Yes	Yes
PIONEER	PDP-V501X	Universal	Yes	Gas Plasma	Yes	Yes
PIONEER	PDP-V502	Universal	Yes	Gas Plasma	Yes	Yes
PROSCAN CinemaScreen Monitor	PSP42300	UNIVERSAL	No	Gas Plasma	No	No
PRDSCAN CinemaScreen Monitor	PSP50100W	Standard	No	Gas Plasma	No	No
RUNCO PlasmaWall HDTV	PL-42c	Universal	No	Gas Plasma	Yes	No
RUNCO PlasmaWall HDTV	PL-42cx	Universal	No	Gas Plasma	Yes	No
RUNCO PlasmaWall HDTV	PL-50c	Universal	No	Gas Plasma	Yes	No
SAMPD AMERICA HDTV/MultiMedia Monitor	PME-42V3	Standard	No	Gas Plasma	Yes	Yes
SAMSUNG	HPK4215	Standard	Yes	Gas Plasma	No	No
SAMSUNG	HPL5025	Standard	Yes	Gas Plasma	No	No
SHARP	LC-PD50U	Universal	Yes	Gas Plasma	Yes	Yes
SONY	PFM-500A2WU	Universal	Yes	Gas Plasma-Neon/Xenon	No	No
SONY	PFM-510A1WU	Standard	Yes	Gas Plasma-Neon/Xenon	Yes	No
SDNY	PFM-510A2WU	Universal	Yes	Gas Plasma-Neon/Xenon	Yes	No
TOSHIBA	50HP81	Standard	No	Gas Plasma	Yes	Yes
ZENITH EDTV	DPDP40V	Standard	No	Gas Plasma	Yes	Yes
ZENITH EDTV	DPDP42W	Standard	No	Gas Plasma	Yes	Yes
ZENITH HDTV	DPDP60W	Standard	No	Gas Plasma	Yes	Yes

Model	Model Number	Color Temperature Control	Horz. Resolution -Pixels	Horz. Resolution -Lines	Brightness (Lumens)	Horz. View Angle
DAEWOO Summus	DSP-4270	No	853x480	480p	250	160
FUJITSU Plasmavision	PDS-4209	No	852x480 (3)	480p	300	160
FUJITSU Plasmavision	PDS-4214	No	852x480 (3)	480p	400	160
FUJITSU Plasmavision	PDS-4221	No	1024x1024	480p/720p/1080i	500	160
FUJITSU Plasmavision	PDS-4222	No	1024x1024	480p/720p/1080i	500	160
HITACHI UltraVision Digital	CMP412HDUS	No	1024x1024	480p/720p/1080i	600	160
JVC Professional	GD-V4210PZW	Yes	1024x768	480p/720p/1080i	350	160
LUCE	PDTV-422A	Yes	852x480	480p	500	160
LUCE	PDTV-500A	Yes	1365x768	1080i/720p	650	160
MARANTZ	PD-4290D	No	852x480 (3)	480p	250	160
MARANTZ	PD-4292D	No	852x480 (3)	480p	250	160
MARANTZ	PD-4298HD	No	1024x1024	1080i/720p	250	160
MARANTZ	PD-5010D	Yes	1365x768 or 1024x1024	1080i/720p	250	160
NEC PlasmaSync	5000W	Yes	1365x768	768p	NA	160



## 2001 PLASMA TV'S

Brand	Model Number	Color Temperature Control	Horz. Resolution -Pixels	Horz. Resolution -Lines	Brightness (Lumens)	Horz. View Angle
PANASDNIC	PT-42P1	No	852x480	480p	250	180
PANASONIC	PT-42PD2-P	No	852x480	480p	650	160
PANASONIC	60WIDE	No	1366x768	720p	250	180
PHILIPS FlatTV	42FD9932/FTR9952	No	852x480	480p	250	160
PIDNEER	PDP-505HD	Yes	1280x768	768p	NA	NA
PIONEER	PDP-V501X	Yes	1280x768 (980K)	768p	NA	NA
PIONEER	PDP-V502	Yes	1280x768 (980K)	768p	NA	NA
PROSCAN CinemaScreen Monitor	PSP42300	No	853x480	1080i/720p	45	160
PRDSCAN CinemaScreen Monitor	PSP50100W	No	1365x768	1080i/720p	250	160
RUNCO PlasmaWall HDTV	PL-42c	No	852x480 (3)	480p	600	160
RUNCO PlasmaWall HDTV	PL-42cx	Yes	852x480	720p/1080i	650	160
RUNCO PlasmaWall HDTV	PL-50c	Yes	1280x768	1080i/1080p/720p	650	160
SAMPO AMERICA HDTV/MultiMedia Monitor	PME-42V3	Yes	852x480	480p	350	160
SAMSUNG	HPK4215	No	852x600	480p	650	160
SAMSUNG	HPL5025	No	1366x768	720p	650	160
SHARP	LC-PD50U	Yes	1280x768 (980K)	720p (native)	225	160
SONY	PFM-500A2WU	Yes	852x480	480p	250	160
SONY	PFM-510A1WU	No	1024x1024	1080i/720p	250	160
SONY	PFM-510A2WU	Yes	1024x1024	1080i/720p	250	160
TDSHIBA	50HP81	Yes	1366x768 (WXGA)	1366x768	511 candelas per meter sq.	160
ZENITH EDTV	DPDP40V	No	640x480	480i	340	160
ZENITH EDTV	DPDP42W	No	852x480	480p	280 TBD	160
ZENITH HDTV	DPDP60W	No	1280x720	720p	180	160

Brand	Model Number	Contrast Ratio	Stereo -wpc	Bass/Treble	Premium Sound	Nbr. Speakers	Variable Audio Out
DAEWOO Summus	DSP-4270	800:1	8	No	No	2	No
FUJITSU Plasmavision	PDS-4209	450:1	1	Yes	ND	0	No
FUJITSU Plasmavision	PDS-4214	580:01:00	1	Yes	Yes	2	No
FUJITSU Plasmavision	PDS-4221	350:01:00	1	No	No	2	Yes
FUJITSU Plasmavision	PDS-4222	350:1	1	No	No	2	Yes
HITACHI UltraVision Digital	CMP412HDUS	700:1	8	Yes	No	2	Yes
JVC Professional	GD-V4210PZW	700:1	2	No	No	2	No
LUCE	PDTV-422A	650:1	2	Yes/+EQ	Yes	0	Yes
LUCE	PDTV-500A	500:1	2	Yes?+EQ	Yes	0	Yes
MARANTZ	PD-4290D	350:1	7	Yes	No	2	Yes
MARANTZ	PD-4292D	500:1	7	Yes	No	2	Yes
MARANTZ	PD-4298HD	500:1	7	Yes	No	2	Yes
MARANTZ	PD-5010D	500:1	7	Yes	No	2	Yes
NEC PlasmaSync	5000W	NA	10	Yes	No	2	Yes
PANASONIC	PT-42P1	3000:01:00	2	No	No	0	No
PANASONIC	PT-42PD2-P	550:1	8	No	No	2	No
PANASONIC	60WIDE	550:1	2	No	No	0	No
PHILIPS FlatTV	42FD9932/FTR9952	480:01:00	13	Yes	Yes	2	Yes
PIONEER	PDP-505HD	NA	2	No	No	2	Yes
PIONEER	PDP-V501X	NA	2	No	No	2	Yes
PIONEER	PDP-V502	NA	2	No	No	2	Yes
PRDSCAN CinemaScreen Monitor	PSP42300	450:1	7	No	No	0	No
PROSCAN CinemaScreen Monitor	PSP50100W	200:1	2	No	No	0	No
RUNCO PlasmaWall HDTV	PL-42c	450:1	7	Yes	No	0	No
RUNCO PlasmaWall HDTV	PL-42cx	1500:1	7	Yes	No	0	No
RUNCO PlasmaWall HDTV	PL-50c	420:1	2	Yes	No	0	No
SAMPO AMERICA HDTV/MultiMedia Monitor	PME-42V3	580:1	5	Yes	No	2	Yes
SAMSUNG	HPK4215	550:1	8	No	No	2	No

# 2001 PLASMA TV'S

Model Number		Contrast Ratio	Stereo -wpc	Bass/ Treble	Premium Sound	Nbr. Speakers	Variable Audio Out	
SAMSUNG	HPL5025	2300:1	8	No	No	2	No	
SHARP	LC-PD50U	600:1	2	No	No	2	Yes	
SONY	PFM-500A2WU	400:1	7	Yes	Yes	2	No	
SONY	PFM-510A1WU	400:1	7	Yes	Yes	2	No	
SONY	PFM-510A2WU	400:1	7	Yes	Yes	2	No	
TOSHIBA	50HP81	3000:01:00	N/A	Yes	Yes	2	No	
ZENITH EDTV	DPDP40V	450:01:00	2	Yes	No	0	No	
ZENITH EDTV	DPDP42W	350:01:00	2	Yes	No	0	No	
ZENITH HDTV	DPDP60W	200:01:00	10	Yes	No	2	No	
Model Number		Audio I/O -Pair	Video I/O	S-Video I/O	Component Video I/O	RGB Inputs	VGA/XGA Inputs	Ext. Speaker Jacks
DAEW00 Summus	DSP-4270	3/1	1/1	1/1	2/1	1HD	No	No
FUJITSU Plasmavision	PDS-4209	1/1	5/1	2/0	2/0	0	Yes	No
FUJITSU Plasmavision	PDS-4214	1/1	5/1	2/0	2/0	0	Yes	No
FUJITSU Plasmavision	PDS-4221	2/1	1/0	1/0	1/0	1 + 1RGBHV	Yes	No
FUJITSU Plasmavision	PDS-4222	2/1	5/1	2/0	1/0	1 + 1RGBHV	Yes	Yes
HITACHI UltraVision Digital	CMP412HDUS	2/1	4/1	1/0	1/0	1 + 1RGBHV	Yes /SXGA/UXGA	No
JVC Professional	GD-V4210PZW	1/1	1/1	1/1	1/0	1RGBHV	Yes/XGA	No
LUCE	PDTV-422A	2/2	3/1	1/1	2/1	0	Yes/XGA	Yes
LUCE	PDTV-500A	2/2	3/1	1/1	2/1	0	Yes/SXGA	Yes
MARANTZ	PD-4290D	3/3	3/3	3/3	3/3	0	No	No
MARANTZ	PD-4292D	3/3	3/3	3/3	3/3	1	No	No
MARANTZ	PD-4298HD	3/3	3/3	3/3	3/3	2+1RGB & 1RGBHV	No	Yes
MARANTZ	PD-5010D	3/3	3/3	3/3	3/3	2+1RGB & 1RGBHV	Yes/XGA	No
NEC PlasmaSync	5000W	3/3	3/3	3/3	3/3	0	Yes/XGA	Yes
PANASONIC	PT-42P1	1/1	1/1	1/1	1/1	0	No	Yes
PANASONIC	PT-42PD2-P	1/1	1/1	1/1	1/1	1	Yes/UXGA	Yes
PANASONIC	60WIDE	1/1	1/1	1/1	1/1	0	Yes/XGA	No
PHILIPS FlatTV	42FD9932/FTR9952	2/2	2/1	2/1	2/0	2	Yes/VGA 11.1/14.1 only	Yes
PIONEER	PDP-505HD	3/3	3/3	3/3	3/3	0	Yes/XGA	No
PIONEER	PDP-V501X	3/3	3/3	3/3	3/3	0	Yes/XGA	No
PIONEER	PDP-V502	3/3	3/3	3/3	3/3	0	Yes/XGA	No
PROSCAN CinemaScreen Monitor	PSP42300	1/1	1/1	1/1	1/0	1	Yes/XGA	No
PROSCAN CinemaScreen Monitor	PSP50100W	1/1	1/1	1/1	1/0	1	No	Yes
RUNCO PlasmaWall HDTV	PL-42c	1/1	1/0	1/0	1/0	1RGBHO+2RGB	Yes	Yes
RUNCO PlasmaWall HDTV	PL-42cx	1/1	1/0	1/0	1/0	1RGBHD+1RGB	Yes/UXGA	Yes
RUNCO PlasmaWall HDTV	PL-50c	1/1	1/0	1/0	1/0	2	Yes/UXGA	Yes
SAMPO AMERICA HDTV/MultiMedia Monitor	PME-42V3	2/1	1/0	1/0	Jan-00	1+RGBHV=1 RGB O/I/T	Yes/SXGA	Yes
SAMSUNG	HPK4215	1/1	1/1	1/1	1/1	1	Yes/UXGA	No
SAMSUNG	HPL5025	1/1	1/1	1/1	1/1	1	Yes/UXGA	No
SHARP	LC-PD50U	3/3	3/3	3/3	3/3	0	Yes/XGA	Yes
SONY	PFM-500A2WU	1/1	1/1	1/1	1/1	1+1RGBHO	Yes/UXGA	No
SONY	PFM-510A1WU	1/1	1/1	1/1	1/0	1	Yes/XGA	No
SONY	PFM-510A2WU	1/1	1/1	1/1	1/1	1+1RGBHO	Yes/XGA	No
TOSHIBA	50HP81	1-Jan	1/1	1/1	1/0	1	Yes	Yes
ZENITH EDTV	DPDP40V	1/1	1/1	Jan-00	1-Jan	1	Yes/SVGA	Yes
ZENITH EDTV	DPDP42W	1/1	1/1	Jan-00	Jan-00	1	Yes/SXGA	No
ZENITH HDTV	DPDP60W	1/1	1/1	Jan-00	Jan-00	1	Yes/SXGA	No





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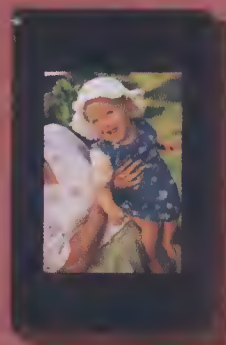
*For some people, the only home furnishing that matters is their TV. They're the ones who'll have to have our HDTV plasma monitor. At 50", its screen is the largest available and at less than 4" deep, it's also the thinnest. Our PureCinema™ technology creates the brightest, clearest, most film-like picture ever. It's a display for fanatics, by fanatics.*

## 2001 PLASMA TV'S

Model	Model Number	Dimensions (HxWxD)	Weight -lbs.	Color	Special Features	List Price
DAEWOO Summus	DSP-4270	NAxNAx4	NA	Silver/Black	None	NA
FUJITSU Plasmavision	PDS-4209	25.2x40.7x3.3	69	Black	None	\$6,999.00
FUJITSU Plasmavision	PDS-4214	25.2x40.7x3.3	69	Silver	Opt.7W Wall Speakers	\$7,999.00
FUJITSU Plasmavision	PDS-4221	25.2x40.7x3.3	69.4	Dk. Gray	Opt.7W Wall Speakers	\$9,999.00
FUJITSU Plasmavision	PDS-4222	25.2x40.7x3.3	69.4	Silver	Dpt.7W Wall Speakers	\$9,999.00
HITACHI UltraVision Digital	CMP412HDUS	25.5x40.8x3.5	73	Silver	Inc.Stand;Dpt. Speakers	NA
JVC Professional	GD-V4210PZW	24.9x40x3.5	73	Silver	Opt.side-mounted speakers	\$9,995.00
LUCE	PDTV-422A	39.55x23.8x4.6	34kg	Aluminum	Table base or wall mount	NA
LUCE	PDTV-500	48.4x30x4.6	127	Aluminum	Table base or wall mount	NA
MARANTZ	PD-4290D	25.5x41.4x3.5	NA	Silver	Built-in Line Doubler/Scaler	\$14,999.00
MARANTZ	PD-4292D	25.5x41.4x3.5	NA	Silver	Built-in Line Doubler	\$12,999.00
MARANTZ	PD-4298HD	25.5x41.4x3.5	NA	Silver	Upconverts; Built-in Line Doubler	\$18,999.00
MARANTZ	PD-5010D	NAxNAxNA	NA	Silver	Upconverts; Built-in Line Doubler	\$20,999.00
NEC PlasmaSync	5000W	28x47.6x3.85	93.5	Silver	Inc.NXT speakers	\$23,000.00
PANASONIC	PT-42P1	24.9x40x3.5	73	Silver	None	\$14,995.00
PANASONIC	PT-42PD2-P	24.9x40x3.5	65	Black	Inc. Remote Stand; Dpt.Tuner/Controller	\$10,999.95
PANASONIC	60WIDE	NAxNAx4	NA	Silver	None	\$35,000.00
PHILIPS FlatTV	42FD9932/FTR9952	26.8x48.1x5.8	94	Silver	3/2 pull-down Progressive Scan Philips' Digital Natural Motion/Digital Crystal Clear	\$10,990.00
PIONEER	PDP-505HD	28x47.6x3.86	94	Silver	None	\$20,000.00
PIONEER	PDP-V501X	28x47.6x3.85	93.5	Silver	None	\$18,995.00
PIONEER	PDP-V502	28x47.6x3.85	93.5	Silver	None	\$19,995.00
PROSCAN CinemaScreen Monitor	PSP42300	25.5x41.3x3.5	NA	Silver	Gold-plated jacks	\$11,999.00
PROSCAN CinemaScreen Monitor	PSP50100W	NAxNAx4	NA	Silver	NEC Panels	NA
RUNCO PlasmaWall HDTV	PL-42c	26.54x42.29x3.875	77	Black	Inc. 100 Virtual High Definition/Processor/Controller	\$14,995.00
RUNCO PlasmaWall HDTV	PL-42cx	26.54x42.29x3.875	77	Black	Inc.VHD (Virtual High Definition)Processor/Controller	\$15,995.00
RUNCO PlasmaWall HDTV	PL-50c	29x48x4	90	Black or Custom	Inc.VHD (Virtual High Definition)Processor/Controller	\$25,995.00
SAMPO AMERICA HDTV/MultiMedia Monitor	PME-42V3	26x41.3x5	79.4	Dk.Gray	Dvi Input; USB port/RS 232	\$8,995.00
SAMSUNG	HPK4215	24.9x40x3.5	65	Silver	None	\$8,000.00
SAMSUNG	HPL5025	24.9x40x3.5	73	Silver	None	\$18,000.00
SHARP	LC-PD50U	28-7/64x47-61/ 64x3-55/64	93.7	Black	None	\$20,995.00
SONY	PFM-500A2WU	25x41.75x6.75	99	Silver	None	\$14,995.00
SONY	PFM-510A1WU	25x41x6.75	104	Silver	Digital Reality Creation (DRC)	\$17,995.00
SONY	PFM-510A2WU	25x41.75x6.75	99	Silver	Digital Reality Creation (DRC)	\$17,995.00
TOSHIBA	50HP81	28.5x47.6x3.9	106	Metallic	Aspect ratio control, optional stand/remote	NA
ZENITH EDTV	DPDP40V	NAxNAx3	32.9	Silver	Aspect Ratio Correction	\$7,499
ZENITH EDTV	DPDP42W	NAxNAx3	37.2	Silver	Aspect Ratio Correction	\$7,499.00
ZENITH HDTV	DPDP60W	NAxNAxNA	70	Silver	Aspect Ratio Correction	\$27,999.00



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# THIN is in

**Flat plasma televisions provide eye-catching great looks to match a contemporary California interior**

PHOTOGRAPHY BY CHRIS COVEY

“These are style-loving clients,” says installer Rick Jurasky of R Squared Custom Audio & Video Systems in Santa Monica, California. His opinion is confirmed in every object, color and accessory chosen by an entrepreneur and his wife for their contemporary home in Beverly Hills. “In order to match the space and the style of this house, I suggested the Fujitsu plasma screen for both the family room theater and the bar,” Jurasky explains. “It not only has the right technical capability but the aesthetics are perfect because there are no distracting knobs or dials. When the monitor is mounted and bordered with color as you see here, it looks like one of the pieces from their art collection.”





*The Fujitsu screen is teamed with a Denon A/V receiver, and components by Sony, Mitsubishi and Pioneer. Surround sound is delivered via Canton speakers, and Sonance in-walls provide audio in the adjacent bar area.*







The family room theater is centered around the Fujitsu PDS-4203 plasma screen, and backed up with a Denon AV receiver, Mitsubishi VCR, Sony SAT A-3 satellite receiver and Pioneer DVL-909 Combo DVD/LD/CD player.

Familiar names from the family room—Fujitsu, Denon, Sony and Crestron—give a second viewing area its own reliable and simple-to-use system. There is one difference: the choice of Sonance T4000 and M300 speakers discreetly placed around this smaller place.

In the vocabulary of mathematics, the phrase “to square a number” means to add a symbol and raise the power. Rick Jurasky’s plasma screen installation accomplishes much the same thing. ■

Installation by Rick Jurasky, R Squared Custom Audio & Video Systems, 1618 Stanford Street, Suite D, Santa Monica, CA 90404; (310) 829-3115. Interior Design by Donald Bentel and Susan Babchuk, Bentel, Babchuk Associates, 12061 Guerin Street, Studio City, CA 91604; (818) 506-6179.

#### **Family Room Theater**

Fujitsu PDS-4203 plasma screen  
Denon AVR-3600 AV receiver  
Mitsubishi HSU 580 VCR  
Sony SAT A-4 satellite receiver  
Pioneer DVL-909 Combo DVD/LD/CD player  
Canton Ergo bookshelf speakers (2)  
Canton custom center channel speaker  
Velodyne HGS-10 subwoofer  
Canton Plus D mini-speakers (2)  
Crestron ST-1500C touchscreen remote

#### **Bar**

Fujitsu PDS-4203 plasma screen  
Denon AVR-1200 AV receiver  
Sony SAT A-4 satellite receiver  
Mitsubishi HSU-780 VCR  
Sonance T4000 speakers (2)  
Sonance M300 surrounds (2)  
Crestron ST-1500 C touchscreen remote

# INVISIBLE AUDIO

**In-wall speakers are an aesthetic alternative  
to traditional home theater surround sound**



Choosing the right speakers is a critical part of building a home theater. Loudspeakers come in all shapes and sizes and there are literally hundreds of manufacturers. While traditional floorstanding speakers and bookshelf models are mainstay components in most home theaters, finding the space for traditional speakers can create a problem in small or odd-shaped rooms. Perhaps a skeptical spouse is unwilling to negotiate space with floorstanding speakers that clash with a room's decor. If this is the case in your home, you may want to consider in-wall speakers.



Although once considered a poor substitute for quality audio, innovations in recent years have earned in-wall speakers much deserved respect.

In-wall speakers are designed to fit unobtrusively in the wall or ceiling and have been on the market for decades. Although once considered a poor substitute for quality audio, innovations in recent years have earned in-wall speakers much deserved respect. Typically, in-wall speakers are placed inside a wall cavity, between two studs. Because a wall cavity is shallow, most in-walls range in depth from about two and a half inches to just under five inches. Their outward appearance is flush with the drywall, which gives the overall wall surface a smooth appearance. In-walls are rectangular in shape and function like front, center, and rear speakers. Round in-walls are typically installed in the ceiling and used for background audio, as they do not offer the power of their rectangular-shaped cousins.

### SPEAKERS 101

Like traditional 5.1 home theater speakers, in-walls are arranged as front left, front right, center, left rear, right rear and subwoofer. Although drastically different in shape, in-walls offer many of the same features of main front-channel speakers and, like floor-standing models, come in a variety of configurations. A two-way speaker has two drivers: one woofer and one tweeter. A three-way speaker has three drivers: a woofer, mid-range, and a tweeter. A four-way speaker may include two woofers, a mid-range, and



a tweeter. As you go up in price, driver size increases for both woofers and tweeters. Many higher-end in-wall models offer pivoting or swiveling tweeters so that higher sounds can be specifically directed to the listening area.

In-wall center channels are designed specifically to handle dialogue and are typically installed above or directly below the video display. With a low profile and a horizontal orientation, these speakers are designed to reproduce realistic-sounding dialogue. In addition, in-wall speakers are an excellent option for rear surround because they can be discretely installed just above the listening area and carry effects that enliven the experience. The rear speakers are either bipole or dipole

designs. Bipole speakers send the sound in different directions (a good choice for a Dolby Pro Logic setting). A dipole design radiates audio in all directions making it difficult to pinpoint the origin of the sound. This configuration is excellent in Dolby Digital systems. Some in-wall models include switches to change them from bipolar to dipolar.

The subwoofer is designed to reproduce the lowest possible frequencies and is an essential part of a home theater system. Often placed in a corner, under a coffee table or near the television, these speakers have woofers ranging in size from five inches up to 18-inches in diameter. Subwoofers with their own internal amplifier are called active; subwoofers that require power from a receiver or a separate external amplifier are passive. Because of their bulky size, subwoofers are often the most difficult speakers to hide.



In-wall manufacturers offer in-wall subs with self-contained housings that fit snugly between the studs in the wall or into the floor.

As you can see, in-wall speakers can offer many of the same features of traditional speakers without occupying valuable floor space. Before choosing any speakers for your home theater, go out and carefully listen to models in your price range. Most audio/video retailers (even the big chains) offer sound rooms with in-wall options. If you are a die-hard do-it-yourselfer, there are kits available to help you install in-walls; however, the best quality sound will result with a professional installation. Go out and test in-walls and see if these innovative speakers are the right choice for your home theater. ■



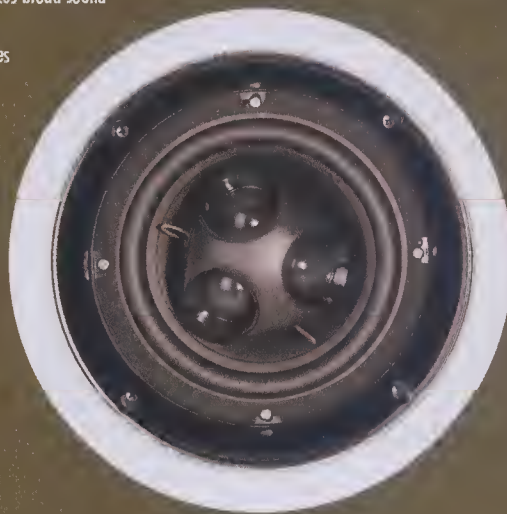
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## 2001 IN-WALL SPEAKERS

		List Price	Per	Configuration	Impedance (OHMS)	Response (Hz-Kz)	Minimum	Maximum
A/O/S	C300i/w	NA	Ea.	Front/Rear	4	50-20	10	100
A/O/S	C400i/w	NA	Ea.	Front/Rear	4	42-20	10	100
A/D/S	R50i/c	NA	Ea.	InCeiling	4	70-20	10	100
APOGEE ACDUSTICS By A/D/S	Augira f	NA	Pr.	Rear	6	40-25	10	100
APDGEE ACDUSTICS By A/D/S	Augira s	NA	Pr.	Rear	6	40-25	10	100
APDGEE ACOUSTICS By A/D/S	Capella	NA	Ea.	Front/Rear	4	45-20	10	100
ARMSTRONG/NXT I-Ceiling Sound System	Sound Panels	NA	Ea.	InCeiling	8	NA	10	100
ATLANTIC TECHNOLOGY System 170	.174 SR/WHT	\$350.00	Ea.	InWall	8	80-20	25	200
ATLANTIC TECHNOLOGY System 270	274T-SR/WHT THX	\$425.00	Ea.	InWall	8	80-20	25	200
ATLANTIC TECHNOLOGY System 370/450	370-IN-SR THX Ultra	\$350.00	Ea.	InWall	8	80-20	50	200
ATLANTIC TECHNOLOGY INTS InWall Theater System 10	INTS-10 LCR	\$550.00	Ea.	InWall	6	46-20	25	125
ATLANTIC TECHNOLOGY INTS InWall Theater System 10	IWTS-10 SR	\$550.00	Ea.	InWall	6	90-20	25	125
ATLANTIC TECHNOLOGY INTS InWall Theater System 20	IWTS-20 LCR THX Ultra	\$329.00	Pr.	InWall	6	56-20	50	200
ATLANTIC TECHNOLOGY INTS InWall Theater System 20	IWTS-20 SR THX Ultra	\$649.00	Pr.	InWall	6	80-20	50	150
ATLANTIC TECHNOLOGY INTS InWall Theater System	IWTS-8 SUB	\$250.00	Pr.	InCeiling	8	35-150	40	120
ATLANTIC TECHNOLOGY INTS InWall Theater System	IWTS-8 SUB DUAL THX Ultra	\$250.00	Pr.	InCeiling	8	35-150	40	120
AUDIOSOURCE	IW Five	\$129.00	Ea.	InCeiling	8	NA	10	100
AUDIOSOURCE	IW Six	\$199.00	Ea.	InCeiling	8	NA	10	100
AUDIOSOURCE	IWFIVE	\$69.95	Ea.	Round	8	80-20	10	75
AUDIOSOURCE	IWFOUR	\$159.95	Ea.	Subwoofer	8	30-500	25	100
AUDIOSOURCE	IWDNE	\$69.95	Ea.	InWall	8	80-20	10	75
AUDIOSOURCE	IWSIX	\$99.95	Ea.	Round	8	70-20	10	75
AUDIOSOURCE	IWTHREE	\$149.95	Ea.	InWall	8	50-20	20	100
AUDIOSOURCE	IWTWO	\$99.95	Ea.	InWall	8	70-20	10	75
B & W CASA Series	ACM60	\$250.00	Ea.	InWall	8	60-20	10	100
B & W CASA Series	ACM65	\$350.00	Ea.	InCeiling	8	55-20	10	100
B & W CASA Series	ACM80	\$550.00	Ea.	InCeiling	8	40-20	10	100
B & W CASA Series	AWM65	\$750.00	Ea.	InWall	8	39-22	10	100
B & W CASA Series	AWM650NT	\$750.00	Ea.	InWall	8	47-20	10	100
B & W CASA Series	AWM70	\$950.00	Ea.	InWall	8	38-21	10	100
B & W Custom Installation Series	CDS6	\$300.00	Ea.	Rear	8	85-8	30	100
B & W Custom Installation Series	CWM5	\$150.00	Ea.	InWall	8	75-20	10	100
B & W Custom Installation Series	CWM60	\$100.00	Ea.	InWall	8	75-20	10	100
B & W Custom Installation Series	CWM61	\$225.00	Ea.	InWall	6	55-20	10	100
B & W Custom Installation Series	CWM8i	\$325.00	Ea.	InWall	4	40-20	10	100
B & W Custom Installation Series	Signature 7NT	\$650.00	Ea.	InWall	8	40-20	20	150
B & W In-Wall Passive Series	CCM50	\$150.00	Ea.	InCeiling	8	55-20	20	100
B & W In-Wall Passive Series	CCM65	\$225.00	Ea.	InCeiling	8	55-20	20	100
B & W In-Wall Passive Series	CCM80	\$300.00	Ea.	InCeiling	8	55-20	20	100
B & W In-Wall Passive Series	CDS6	\$300.00	Ea.	Rear	8	85-8	30	100
B & W In-Wall Passive Series	CWM Cinema	\$350.00	Ea.	LCR	8	55-20	20	150
B & W In-Wall Passive Series	CWM500	\$200.00	Ea.	InWall	8	55-20	20	100
B & W In-Wall Passive Series	CWM650	\$300.00	Ea.	InWall	8	50-20	20	130
B & W In-Wall Passive Series	CWM800	\$400.00	Ea.	InWall	8	40-20	20	150
BIC Muro	M-50	\$199.00	Ea.	InWall	8	60-21	10	100
BIC Muro	M-60	\$249.00	Ea.	InWall	8	60-21	10	110
BIC Muro	M-80	\$299.00	Ea.	InWall	8	40-22	10	120
BIC Muro	M-SR5	\$169.00	Ea.	InCeiling	8	65-23	10	100
BIC Muro	M-SR6	\$225.00	Ea.	InCeiling	8	55-21	10	100
BOSTON ACOUSTICS Designer 200 Series	251	\$200.00	Pr.	InWall	8	65-20	10	100
BOSTON ACOUSTICS Designer 200 Series	261	\$250.00	Pr.	InWall	8	65-20	10	100
BOSTON ACOUSTICS Designer 300 Series	305	\$130.00	Pr.	InWall	4	68-17	10	100
BOSTON ACOUSTICS Designer 300 Series	315	\$150.00	Pr.	InCeiling	8	68-20	10	100
BOSTON ACDUSTICS Designer 300 Series	325	\$200.00	Pr.	InWall	4	68-20	10	100
BOSTON ACOUSTICS Designer 300 Series	335	\$250.00	Pr.	InCeiling	4	68-20	10	100
BOSTON ACOUSTICS Designer 300 Series	336pt	\$349.00	Pr.	InCeiling	8	68-20	10	100
BOSTON ACOUSTICS Designer 300 Series	351	\$300.00	Pr.	InWall	8	65-20	10	100
BOSTON ACDUSTICS Designer 300 Series	361	\$400.00	Pr.	InWall	8	57-20	10	100
BOSTON ACOUSTICS Designer 300 Series	381	\$500.00	Pr.	InWall	8	48-20	10	100
BOSTON ACOUSTICS Designer 300 Series	DX PRO	\$500.00	Pr.	Rear-Surround	8	65-20	10	100
BOSTON ACOUSTICS Designer VRI Series	Sub10F	NA	Ea.	InWall Subwoofer	8	NA	10	100
BOSTON ACOUSTICS Designer VRI Series	Sub82	NA	Ea.	InFloor Subwoofer	8	NA	10	100
BOSTON ACOUSTICS Designer VRI Series	VRI553	\$600.00	Ea.	InWall	4	69-22	10	125
BOSTON ACOUSTICS Designer VRI Series	VRI560	\$800.00	Pr.	InWall	8	52-22	10	125
BOSTON ACDUSTICS Designer VRI Series	VRI565	\$700.00	Pr.	InCeiling	8	55-22	10	125
BOSTON ACOUSTICS Designer VRI Series	VRI580	\$1,000.00	Pr.	InWall	8	45-22	10	150
BOSTON ACOUSTICS Designer VRI Series	VRI585	\$900.00	Pr.	InCeiling	8	45-22	10	150



## 2001 IN-WALL SPEAKERS

		List Price	Per	Configuration	Impedance (OHMS)	Response (Hz-Kz)	Minimum	Maximum
8DSTDN ACDUSTICS Designer VRI Series	VRI593	\$1,000.00	Ea.	InWall	4	42-22	10	200
CAMBRIDGE SOUNDWORKS Ambiance	50	\$199.99	Pr.	InCeiling	8	NA-NA	10	100
CAMBRIDGE SOUNDWORKS Ambiance	52	\$199.99	Pr.	InWall	8	NA-NA	10	100
CAMBRIDGE SOUNDWORKS Ambiance	60	\$249.99	Pr.	InCeiling	8	NA-NA	10	100
CAMBRIDGE SOUNDWORKS Ambiance	62	\$249.99	Pr.	InWall	8	NA-NA	10	100
CAMBRIDGE SOUNDWORKS Ambiance	82	\$299.99	Pr.	InWall	8	NA-NA	10	100
CERWIN-VEGA Custom Installation Line	6"	NA	Pr.	InWall	8	NA-NA	10	100
CERWIN-VEGA Custom Installation Line	6" Ceiling	NA	Pr.	InCeiling	8	NA-NA	10	100
CERWIN-VEGA Custom Installation Line	8"	NA	Pr.	InWall	8	NA-NA	10	100
CERWIN-VEGA Custom Installation Line	8" Ceiling	NA	Pr.	InCeiling	8	NA-NA	10	100
DEFINITIVE TECHNOLOGY In-Wall Line	UIW55	\$299.00	Pr.	InWall	4-8	35-30	10	175
DEFINITIVE TECHNOLOGY In-Wall Line	UIW63/A	\$229.00	Pr.	InCeiling	4-8	30-30	10	200
DEFINITIVE TECHNOLOGY In-Wall Line	UIW64/A	\$349.00	Pr.	InCeiling	4-8	28-30	10	200
DEFINITIVE TECHNOLOGY In-Wall Line	UIW65	\$429.00	Pr.	InWall	4-8	28-30	10	200
DEFINITIVE TECHNOLOGY In-Wall Line	UIW75	\$650.00	Pr.	InWall	4-8	26-30	10	300
DEFINITIVE TECHNOLOGY In-Wall Line	UIW83/A	\$399.00	Pr.	InCeiling	4-8	27-30	10	250
ENERGY Architectural Series	EAS-5.25	NA	Pr.	Wall/Ceiling	8	60-20	10	100
ENERGY Architectural Series	EAS-5.25R	NA	Pr.	Wall/Ceiling	8	60-20	10	100
ENERGY Architectural Series	EAS-6.5	NA	Pr.	Wall/Ceiling	8	45-22	10	100
FDSSTEX "Picture Perfect"	SH501F	\$499.00	Pr.	Front/Rear	4	80-20	10	100
INDUCTIDN DYNAMICS High-End In Walls	ID-C1/IW	\$3,495.00	Ea.	Center	4	55-30	60	300
INDUCTIDN DYNAMICS High-End In Walls	ID-S1/IW	\$5,995.00	Pr.	Front/Rear	8	55-30	30	150
INDUCTIDN DYNAMICS High-End In Walls	ID-SWC1	\$3,895.00	Ea.	Closed Box Subw	4	26-150	120	300
INDUCTIDN DYNAMICS 5.1 Digital Surround In-Wall System	DHT-5.1-1/IW	\$18,380.00	Sys.	5-Channel System	8	55-30	60	300
INDUCTIDN DYNAMICS 5.1 Digital Surround In-Wall System	DHT-5.1-1/IW Dual Sub	\$20,775.00	Sys.	5-Channel System	8	55-30	60	300
INFINITY ERS Series	ERS540	NA	Ea.	InWall	8	75-22	10	40
INFINITY ERS Series	ERS650	NA	Ea.	InWall	8	60-22	15	60
INFINITY Quadrapole Surround	QPS-1	\$299.00	Pr.	InWall/DnWall	8	80-20	10	100
INFINITY Flat Panel Loudspeaker	FPS-1000	\$599.00	Pr.	InWall/OnWall	6	75-20	15	75
INFINITY Flat Panel Loudspeaker	FPS-1000 Center Channel	\$300.00	Ea.	InWall/DnWall	6	75-20	15	75
JAMES LOUDSPEAKER "X" Series	8 X	\$1,495.00	Ea.	Center/Surround	8	40-20	50	200
JAMES LOUDSPEAKER "X" Series	8.2 X	\$2,095.00	Ea.	Center/Surround	6	40-20	50	200
JAMES LOUDSPEAKER "X" Series	10 SX	\$2,795.00	Ea.	Subwoofer	NA	20-140	NA	180
JAMES LOUDSPEAKER "X" Series	10 X	\$3,195.00	Ea.	Front	8	20-20	50	200
JBL Architectural Series	AS5	\$229.95	Ea.	Front/Rear	8	50-20	NA	100
JBL Architectural Series	AS6	\$329.95	Ea.	Front/Rear	8	40-20	NA	100
JBL Architectural Series	AS65C	\$199.95	Ea.	InCeiling	8	45-20	NA	100
JBL AS Series	AS S08	\$249.95	Ea.	Subwoofer	8	32-100	10	100
JBL AS Series	AS5	\$229.95	Pr.	Front/Rear	8	50-20	10	100
JBL AS Series	AS6	\$329.95	Pr.	Front/Rear	8	40-20	10	100
JBL AS Series	AS65C	\$199.95	Pr.	InCeiling	8	45-20	10	100
JBL AS Series	AS8	\$429.95	Pr.	Front/Rear	8	35-20	10	100
JBL HTI Series	HTI6	\$500.00	Pr.	InWall	8	38-20	10	100
JBL HTI Series	HTI6C	\$400.00	Pr.	InCeiling	8	40-20	10	100
JBL HTI Series	HTI8	\$700.00	Pr.	InWall	8	30-20	10	120
JBL SoundPoint Series	SP5	\$279.00	Pr.	InWall	8	45-20	10	60
JBL SoundPoint Series	SP6	\$399.00	Pr.	InWall	8	38-20	10	80
JBL SoundPoint Series	SP6C	\$399.00	Pr.	InCeiling	8	40-20	10	80
KLIPSCH Contractor Series	CS-650-R	\$75.00	Ea.	InCeiling	8	58-20	5	35
KLIPSCH Contractor Series	CS-650-RSM	\$125.00	Ea.	InCeiling	8	58-20	5	35
KLIPSCH Contractor Series	CS-650-W	\$100.00	Ea.	InWall	8	60-20	5	30
KLIPSCH Contractor Series	CS-800-R	\$88.00	Ea.	InCeiling	8	43-20	5	40
KLIPSCH Synergy Custom Series	SCR-1	\$165.00	Ea.	InCeiling	8	75-20	50	200
KLIPSCH Synergy Custom Series	SCR-2	\$200.00	Ea.	InCeiling	8	50-20	50	200
KLIPSCH Synergy Custom Series	SCR-3	\$275.00	Ea.	InCeiling	8	39-20	50	200
KLIPSCH Synergy Custom Series	SCW-1	\$165.00	Ea.	InWall	8	65-20	50	200
KLIPSCH Synergy Custom Series	SCW-2	\$225.00	Ea.	InWall	8	42-20	50	200
KLIPSCH Synergy Custom Series	SCW-3	\$275.00	Ea.	InWall	8	38-20	50	200
KLIPSCH Reference Series	RCR-3	\$285.00	Ea.	InCeiling	8	50-20	50	200
KLIPSCH Reference Series	RCR-5	\$350.00	Ea.	InCeiling	8	39-20	50	200
KLIPSCH Reference Series	RCW-3	\$350.00	Ea.	InWall	8	42-20	50	200
KLIPSCH Reference Series	RCW-5	\$425.00	Ea.	InWall	8	38-20	50	200
M & K Frameless In-Wall Speaker System	SW-85	\$350.00	Ea.	InWall	4	82-20	50	400
M & K Frameless In-Wall Speaker System	SW-95	\$550.00	Ea.	InWall	4	70-20	50	400
M & K Frameless In-Wall Speaker System	8E-65	\$550.00	Ea.	InWall	4	70-20	50	400
M8 QUART Designer Series	OL W72W	\$329.00	Pr.	InWall	8	75-20	10	100
M8 QUART Designer Series	OL W90W	\$649.00	Pr.	InWall	4	49-32	10	100

## 2001 IN-WALL SPEAKERS

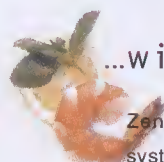
		List Price	Per	Configuration	Impedance (OHMS)	Response (Hz-Kz)	Minimum	Maximum
MIRAGE Designer Series	MIDS-5.25	\$250.00	Pr.	InCeiling	8	60-20	20	100
MIRAGE Designer Series	MIDS-5.25R	\$250.00	Pr.	InCeiling	8	60-20	20	100
MIRAGE Designer Series	MIDS-6.5	\$400.00	Pr.	InWall	8	45-22	20	125
NHT Architectural Series	1.5Ci	\$625.00	Pr.	InCeiling	8	47-25	10	150
NHT Architectural Series	ASW8 Ci	\$850.00	Sys.	Subwoofer Sys	8	35-150	40	120
NHT Architectural Series	CS-6.1Ci	\$600.00	Pr.	InCeiling Coaxial	8	69-20	10	100
NHT Architectural Series	CS-6.2Ci	\$1,000.00	Pr.	InCeiling Coaxial	8	69-20	10	100
NHT Architectural Series	CS-6.3Ci	\$475.00	Pr.	InCeiling Coaxial	8	66-20	10	100
NHT Architectural Series	SuperDne Ci	\$375.00	Pr.	InWall	8	50-20	10	100
NILES	CM75	\$149.95	Pr.	InCeiling	8	63-20	03	50
NILES	CM76	\$149.95	Pr.	InCeiling	8	63-20	03	50
NILES	CM77	\$149.95	Pr.	InCeiling	8	63-20	03	50
NILES	PSW8	\$229.95	Ea.	Subwoofer	8	35-140	10	150
NILES Advanced Technology	AT-8000	\$899.90	Pr.	InWall	8	NA	20	200
NILES Advanced Technology	AT-8200	\$1,099.00	Pr.	InWall	8	NA	20	200
NILES Advanced Technology	AT-8500	\$1,499.00	Pr.	InWall	8	NA	20	200
NILES Advanced Technology	AT-8700	\$1,799.00	Pr.	InWall	8	NA	20	200
NILES Blueprint Series	CM650HD	\$399.95	Pr.	InCeiling	8/4	40-21	10	125
NILES Blueprint Series	CM800HD	\$479.95	Pr.	InCeiling	8/4	35-21	10	150
NILES Blueprint Series	CM800SW	\$229.95	Ea.	Subwoofer	8	35-140	10	150
DPTIMUS In-Wall	Cat.#40-1365	\$49.99	Ea.	Front/Rear	8	NA	10	60
DPTIMUS In-Wall	Cat.#40-1367	\$39.99	Ea.	InCeiling	8	NA	10	60
DPTIMUS In-Wall	Cat.#40-1368	\$69.99	Ea.	Front/Rear	8	60-20	10	80
OPTIMUS In-Wall	Cat.#40-1425	\$99.99	Ea.	Front/Center/Rear	8	60-20	10	100
PARADIGM	AMS-200	\$379.00	Pr.	Front	8	70	10	100
PARADIGM	AMS-300	\$479.00	Pr.	Front	8	60-20	10	100
PARASOUND	CS/T-80R/S	\$429.00	Pr.	InCeiling	8	55-20	10	100
PARASOUND	CS/W1002	\$279.00	Ea.	Subwoofer	8	26-180	10	100
PARASOUND	CS/W802	\$249.00	Ea.	Subwoofer	8	29-180	10	100
PARASOUND Contractor Series	CSS-250A	\$150.00	Pr.	Front/Rear	8	70-18	10	40
PARASOUND Contractor Series	CSS-260A	\$250.00	Pr.	Front/Rear	8	60-20	10	65
PARASOUND Contractor Series	CSS-60R	\$150.00	Pr.	InCeiling	8	60-18	10	40
PARASOUND Contractor Series	CSS-65R	\$250.00	Pr.	InCeiling	8	70-18	10	40
PARASOUND PAX	X-OVER	NA	Ea.	Subwoofer	8	35-100	10	150
PARASOUND Precision Architectural Loudspeakers	PAL-1002	\$400.00	Ea.	Subwoofer	6	26-150	10	120
PARASOUND Precision Architectural Loudspeakers	PAL-245	\$400.00	Pr.	Front/Rear	6	80-22	10	80
PARASOUND Precision Architectural Loudspeakers	PAL-265	\$500.00	Pr.	Front/Rear	6	58-22	10	100
PARASOUND Precision Architectural Loudspeakers	PAL-280	\$600.00	Pr.	Front/Rear	6	36-22	10	120
PARASOUND Precision Architectural Loudspeakers	PAL-360	\$450.00	Pr.	Front/Center	6	36-22	10	120
PARASOUND Precision Architectural Loudspeakers	PAL-380	\$800.00	Pr.	Front/Rear	6	36-22	10	120
PARASOUND Precision Architectural Loudspeakers	PAL-45	\$400.00	Pr.	InCeiling	6	80-22	10	80
PARASOUND Precision Architectural Loudspeakers	PAL-65	\$500.00	Pr.	InCeiling	6	58-22	10	120
PARASOUND Precision Architectural Loudspeakers	PAL-80	\$600.00	Pr.	InCeiling	6	48-22	10	100
PHOENIX GOLO	ATC5.2	\$199.95	Ea.	InCeiling	8	65-20	NA	35
PHOENIX GDL	ATC6.2	\$299.95	Ea.	InCeiling	8	60-20	NA	40
PHOENIX GOLD	ATC8.2	\$349.95	Ea.	InCeiling	8	45-20	NA	65
POLK Atrium	45	\$240.00	Ea.	InWall	8	75-20	10	80
POLK Atrium	55	\$370.00	Ea.	InWall	8	60-20	10	100
POLK Custom Intall	RC65i	\$270.00	Ea.	InWall	8	67-20	20	150
POLK Custom Intall	RC60i	\$250.00	Ea.	InCeiling	8	40-20	20	100
POLK Custom Intall	RC65i	\$330.00	Ea.	InWall	8	32-20	20	100
POLK Custom Intall	RC80i	\$330.00	Ea.	InCeiling	8	35-20	20	100
PDLK Custom Intall	RC85i	\$390.00	Ea.	InWall	8	30-20	20	100
PROFICIENT Ceiling Series	C-500	\$200.00	Pr.	InCeiling	8	40-20	05	60
PROFICIENT Ceiling Series	C-600TT	\$200.00	Pr.	InCeiling	8	40-20	05	75
PROFICIENT Ceiling Series	C-620	\$250.00	Pr.	InCeiling	8	35-20	05	100
PROFICIENT Ceiling Series	C-640	\$350.00	Pr.	InCeiling	8	35-22	05	125
PROFICIENT Ceiling Series	C-800	\$425.00	Pr.	InCeiling	8	30-22	05	150
PROFICIENT Wall Speakers	W-670	\$300.00	Pr.	InWall	8	35-20	05	100
PROFICIENT Wall Speakers	W-680	\$400.00	Pr.	InWall	8	35-22	05	125
PROFICIENT Wall Speakers	W-800	\$475.00	Pr.	InWall	8	30-22	05	150
PSB Custom Sound Series	M6.1R	\$200.00	Ea.	Rear	8	55-20	10	100
PSB Custom Sound Series	M6.1S	\$200.00	Ea.	Rear	8	55-20	10	100
PSB Custom Sound Series	M6x6.1	\$350.00	Ea.	Front/Rear	4	45-20	10	125
PSB Custom Sound Series	M6x1	\$250.00	Ea.	Front/Rear	8	55-20	10	100
RBH SOUND Architectural Series	A-504D	\$59.00	Ea.	InCeiling	8	60-14	10	50
RBH SOUND Architectural Series	A-505R	\$129.00	Pr.	InCeiling	8	60-20	10	60





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## 2001 IN-WALL SPEAKERS

		List Price	Per	Configuration	Impedance (OHMS)	Response (Hz-Kz)	Minimum	Maximum
RBH SOUND Architectural Series	A-506	\$179.00	Pr.	InCeiling	8	60-20	10	60
RBH SOUND Architectural Series	A-509	\$179.00	Pr.	InWall	8	60-20	10	60
RBH SOUND Architectural Series	A-610	\$299.00	Pr.	InWall	8	55-20	10	80
RBH SOUND Architectural Series	A-615	\$229.00	Pr.	InCeiling	8	55-20	10	80
RBH SOUND Architectural Series	A-810	\$399.00	Pr.	InWall	8	50-20	10	110
RBH SOUND Architectural Series	A-815	\$339.00	Pr.	InCeiling	8	50-20	10	110
RBH SOUND MC Series	MC-414	\$249.00	Pr.	InWall	8	55-20	10	150
RBH SOUND MC Series	MC-6	\$549.00	Pr.	InWall	8	50-20	10	120
RBH SOUND MC Series	MC-615	\$499.00	Pr.	InCeiling	8	50-20	10	120
RBH SOUND MC Series	MC-616	\$375.00	Pr.	InWall	8	50-20	10	180
RBH SOUND MC Series	MC-8	\$649.00	Pr.	InWall	8	45-20	10	150
RBH SOUND MC Series	MC-815	\$589.00	Pr.	InCeiling	8	45-20	10	150
RBH SOUND Professional Series	C-610SE	\$3,500.00	Pr.	InWall	4	45-20	10	500
RBH SOUND Professional Series	C-760SE	\$1,100.00	Pr.	InWall	4	60-20	10	200
RBH SOUND Professional Series	C-770SE	\$1,100.00	Pr.	InWall	4	60-20	10	200
RBH SOUND Professional Series	FS-12	\$459.00	Pr.	Subwoofer-InFloor/InCeiling	4	30-180	10	250
RBH SOUND Professional Series	FS-12P	\$849.00	Pr.	Subwoofer-InFloor/InCeiling	4	30-180	10	250
RBH SOUND Professional Series	WS-100	\$429.00	Pr.	Subwoofer	4	30-180	10	200
RBH SOUND Professional Series	WS-100P	\$829.00	Pr.	Subwoofer	4	30-180	10	200
RBH SOUND TK Series	TK-6	\$359.00	Pr.	InWall	8	50-20	10	100
RBH SOUND TK Series	TK-8	\$499.00	Pr.	InWall	8	50-20	10	100
RUSSDUND	SP-503.1	\$90.00	Ea.	InCeiling	4/8/16	68-18	10	30
RUSSDUND	SP-522.1	\$120.00	Ea.	InCeiling	8	65-21	10	60
RUSSDUND	SP-523.1	\$200.00	Pr.	InCeiling	8	65-20	10	60
RUSSDUND	SP-550.2	\$250.00	Pr.	Front/Rear	8	65-20	10	60
RUSSDUND	SP-622.1	\$150.00	Pr.	InWall/Ceiling	8	63-21	10	70
RUSSDUND	SP-650.2	\$350.00	Pr.	Front/Rear	8	58-21	10	80
RUSSDUND	SP-652.1	\$400.00	Pr.	InWall/Ceiling	8	58-21	10	70
SNELL ACOUSTICS AMC Series	AMC-450i	\$680.00	Pr.	Front/Center	8	60-20	15	125
SNELL ACOUSTICS AMC Series	AMC-550mp	\$650.00	Pr.	Rear	8	80-20	10	150
SNELL ACOUSTICS AMC Series	AMC-650r	\$600.00	Pr.	InCeiling	8	65-20	15	85
SNELL ACOUSTICS AMC Series	AMC-700	\$1,400.00	Pr.	Front/Center	8	78-20	10	150
SNELL ACOUSTICS AMC Series	AMC-800	\$2,000.00	Pr.	Front/Center	4	65-20	10	200
SNELL ACOUSTICS AMC Series	AMC-900dp	\$2,000.00	Pr.	Rear	6	78-20	10	150
SNELL ACOUSTICS AMC Series	AMC Sub12	\$1,000.00	Ea.	Subwoofer	8	28-200	75	300
SONANCE 4" MR-Series	M10R	\$120.00	Pr.	InCeiling	8	70-15	3	35
SONANCE 4" MR-Series	M20R	\$199.00	Pr.	InCeiling	8	70-20	5	50
SONANCE 4" M-Series	M100	\$125.00	Pr.	InWall	8	70-20	5	45
SONANCE 4" M-Series	M200	\$208.00	Pr.	InWall	8	70-20	5	50
SONANCE 4" M-Series	M300v	\$295.00	Pr.	InWall	8	60-20	5	60
SONANCE 5.25" GR-Series	GR4	\$175.00	Pr.	InCeiling	8	60-20	5	35
SONANCE 5.25" GR-Series	GR8	\$249.00	Pr.	InCeiling	8	50-20	5	45
SONANCE 5.25" GR-Series	GRM2	\$87.50	Ea.	InCeiling	8	75-17	5	35
SONANCE 6.5" CR-Series	CR100	\$100.00	Pr.	InCeiling	8	70-15	5	25
SONANCE 6.5" CR-Series	CR800	\$199.00	Pr.	InCeiling	8	45-20	5	75
SONANCE 6.5" CR-Series	CRM100	\$120.00	Pr.	InCeiling	8	60-20	5	30
SONANCE 6.5" C-Series	C100	\$100.00	Pr.	InWall	8	70-15	5	25
SONANCE 6.5" C-Series	C200	\$179.00	Pr.	InWall	8	65-18	5	35
SONANCE 8" DR-Series	CR800	\$150.00	Pr.	InCeiling	8	45-20	5	75
SONANCE 8" DR-Series	DR5001	\$499.00	Pr.	InCeiling	8	39-20	5	100
SONANCE 8" DR-Series	DR5501	\$699.00	Pr.	InCeiling	8	35-20	5	100
SONANCE 8" DR-Series	DR7001	\$1,099.00	Pr.	InCeiling	6	32-21	5	125
SONANCE 8" D-Series	D5501	\$699.00	Pr.	Front	8	39-20	5	100
SONANCE 8" D-Series	O6001	\$899.00	Pr.	Front	8	35-20	5	100
SONANCE 8" O-Series	D7001	\$1,099.00	Pr.	Front	8	32-21	5	125
SONANCE 8" O-Series	D8001	\$1,799.00	Pr.	Front	8	30-21	5	150
SONANCE Cinema .5 Series	.5 LCR M	\$500.00	Ea.	LCR	8	80-20	5	125
SONANCE Cinema .5 Series	.5 SUR M	\$1,000.00	Pr.	Surround	8	55-20	5	125
SONANCE	THE SUB	\$799.00	Ea.	Subwoofer	NA	35-150	5	150
SONANCE Cinema 1 Series	ONE.LCR	\$750.00	Ea.	LCR	6	70-20	5	150
SONANCE Cinema 1 Series	DNE.SUB	\$1,360.00	Sys.	Subwoofer	NA	35-150	5	150
SONANCE Cinema 1 Series	DNE.SUR	\$1,500.00	Pr.	Surround	6	45-20	5	150
SONANCE Cinema 2 Series	TWD.LCR	\$1,225.00	Ea.	LCR	6	70-20	5	200
SONANCE Cinema 2 Series	TWO.SUB	\$2,420.00	Sys.	Subwoofer	NA	32-250	5	380
SONANCE Cinema 2 Series	TWO.SUR	\$2,450.00	Pr.	Surround	6	40-20	5	200
SONANCE In-Wall Subwoofer	PSW08	\$327.00	Ea.	Subwoofer	NA	33-125	5	75
SONANCE Silhouette Signature Series	I	\$3,000.00	Pr.	InWall	4	45-20	10	175



## 2001 IN-WALL SPEAKERS

		List Price	Per	Configuration	Impedance (OHMS)	Response (Hz-Kz)	Minimum	Maximum
SONANCE Silhouette Signature Series	II	\$4,500.00	Pr.	InWall	4	40-20	10	200
SONANCE Silhouette Signature Series	III	\$6,000.00	Pr.	InWall	4	35-20	10	250
SONANCE Symphony Round Surround	RS-1	\$500.00	Pr.	InCeiling/Surr.	8	55-20	5	125
SONANCE Symphony SSTR	621 SSTR	\$200.00	Pr.	InCeiling	8	55-20	5	50
SONANCE Symphony SSTR	623 SSTR	\$300.00	Pr.	InCeiling	6	40-20	5	125
SONANCE Symphony T	621 T	\$250.00	Pr.	InWall	8	60-20	5	50
SONANCE Symphony T	622 T	\$375.00	Pr.	InWall	8	55-20	5	75
SONANCE Symphony T	623 T	\$500.00	Pr.	InWall	6	45-20	5	100
SONANCE Symphony T	634 T	\$650.00	Pr.	InWall	6	45-20	5	100
SONANCE Symphony T	635 T	\$850.00	Pr.	InWall	6	40-20	5	125
SONANCE Symphony TR	621 TR	\$230.00	Pr.	InCeiling	8	55-20	5	50
SONANCE Symphony TR	622 TR	\$288.00	Pr.	InCeiling	8	45-20	5	75
SONANCE Symphony TR	623 TR	\$400.00	Pr.	InCeiling	6	40-20	5	100
SONANCE Symphony TR	624 TR	\$600.00	Pr.	InCeiling	6	38-20	5	125
SONANCE Symphony TR	T-SQ	\$279.00	Pr.	InCeiling	6	45-20	5	50
SONANCE	MC	\$399.00	Ea	Center	8	55-20	5	100
SONANCE Virtuoso	831DR	\$800.00	Pr.	InCeiling	8	39-20	5	100
SONANCE Virtuoso	832DR	\$1,400.00	Pr.	InCeiling	6	32-20	5	150
SONANCE Virtuoso	833DR	\$2,700.00	Pr.	InCeiling	6	30-21	5	175
SONANCE Virtuoso	831D	\$800.00	Pr.	InWall	8	39-20	5	100
SONANCE Virtuoso	832D	\$1,400.00	Pr.	InWall	6	32-20	5	150
SONANCE Virtuoso	833D	\$2,700.00	Pr.	InWall	6	30-21	5	175
SOUND ADVANCE - SA Invisible In-Wall	SA2	NA	Ea	Front/Rear	8	NA	10	100
SONY InWalls	SS-WL10	\$250.00	Pr.	InWall	8	55-20	10	100
SONY InWalls	SS-WL30	\$360.00	Pr.	InWall	8	55-20	10	120
SPEAKERCRAFT CRS Series	5.2R	\$155.00	Pr.	InCeiling	8	55-20	5	50
SPEAKERCRAFT CRS Series	8.1CRS	\$325.00	Pr.	InCeiling	8	40-20	5	100
SPEAKERCRAFT CRS Series	8.2CRS	\$475.00	Pr.	InCeiling	8/6/4	35-20	5	100
SPEAKERCRAFT CRS Series	8.5CRS	\$575.00	Pr.	InCeiling	8/6/4	30-20	5	100
SPEAKERCRAFT CRS Series	CRS One	\$299.00	Pr.	InCeiling	8	40-20	5	100
SPEAKERCRAFT CRS Series	CRS Two	\$399.00	Pr.	InCeiling	8	40-20	5	120
SPEAKERCRAFT CRS Series	CRS Three	\$499.00	Pr.	InCeiling	8/6/4	40-20	5	125
SPEAKERCRAFT CRS Series	CRS Four	\$699.00	Pr.	InCeiling	8/6/4	37-20	5	150
SPEAKERCRAFT MT Series	8.1MT	\$499.00	Pr.	InWall	8	40-20	5	125
SPEAKERCRAFT MT Series	8.1MT w/AcoustaCell System	\$729.00	Pr.	InWall	8	40-20	5	125
SPEAKERCRAFT MT Series	8.3MT	\$860.00	Pr.	InWall	8/6/4	38-20	5	125
SPEAKERCRAFT MT Series	8.3MT w/AcoustaCell System	\$1,100.00	Pr.	InWall	8/6/4	38-20	5	125
SPEAKERCRAFT MT Series	8.5MT w/AcoustaCell System	\$1,500.00	Pr.	InWall	8/6/4	30-22	5	200
SPEAKERCRAFT MT Series	8.8MT w/AcoustaCell System	\$2,500.00	Pr.	InWall	8/6/4	28-22	5	200
SPEAKERCRAFT MT Series	MT Four	\$699.00	Pr.	InWall	8/6/4	37-20	5	150
SPEAKERCRAFT MT Series	MT One	\$299.00	Pr.	InWall	8	40-20	5	100
SPEAKERCRAFT MT Series	MT Three	\$499.00	Pr.	InWall	8/6/4	40-20	5	125
SPEAKERCRAFT MT Series	MT Two	\$399.00	Pr.	InWall	8	40-20	5	120
SPEAKERCRAFT AIM Series	AIM One	\$400.00	Pr.	InCeiling	8	40-20	5	100
SPEAKERCRAFT AIM Series	AIM Two	\$600.00	Pr.	InCeiling	8/6/4	40-20	5	100
SPEAKERCRAFT AIM Series	AIM Three	\$800.00	Pr.	InCeiling	8/6/4	35-20	5	100
SPEAKERCRAFT AIM Series	AIM Four	\$1,200.00	Pr.	InCeiling	8/6/4	33-20	5	100
SPEAKERCRAFT AIM Series	AIM Five	\$1,500.00	Pr.	InCeiling	8/6/4	30-20	5	150
SPEAKERCRAFT DT Series	6.0DT	\$115.00	Ea.	8	8	60-20	5	60
SPEAKERCRAFT DT Series	6.1DT	\$150.00	Ea.	8	8	60-20	5	60
SPEAKERCRAFT DT Series	6.5DT	\$199.00	Ea.	8	8	58-20	5	60
SPEAKERCRAFT DT Series	8.1DT	\$230.00	Ea.	8	8	55-20	5	70
SPEAKERCRAFT DT Series	8.5DT	\$299.00	Ea.	8	8	50-20	5	80
SPEAKERCRAFT Powered Subwoofer w/BB2500 Amplifier	BassX	\$1,800.00	Ea.	InCeiling	NA	30-120	5	1,000
THIEL Coherent Source	PowerPlane	\$1,200.00	Pr.	InWall	4	75-20	30	200
THIEL Coherent Source	PowerPoint	\$1,300.00	Pr.	OnWall	4	75-20	30	200
TRIAD Silver/6 LCR	In-Wall LCR	\$850.00	Ea.	LCR	4	80-20	75	150
TRIAD Gold/6 LCR	In-Wall LCR	\$1,200.00	Ea.	LCR	4	80-20	75	200
TRIAD Silver/4 Surround	In-Wall Surround	\$650.00	Ea.	Surround	4	80-20	75	125
TRIAD Bronze/4 Powered Sub	In-Wall Subwoofer	\$1,250.00	Pr.	Subwoofer	NA	180-20	NA	NA

# SCULPTURED SOUND

**An array of in-wall speakers provides stealthy surround sound in this modern masterpiece**

PHOTOGRAPHY BY ED GOHLICH

**N**orth of San Diego, California lies Rancho Santa Fe, a small town with an enormous view of equestrian villages, farms and breathtaking vistas. Rancho Santa Fe is also home to this 8,500-square-foot estate that rests peacefully within the steep hillside. Its Zen-like existence can be attributed to a well thought-out plan by the homeowners and architect who designed a structure that co-exists with Mother Nature. "What happens in places like Rancho Santa Fe and others with hills and valleys is that people don't take the environment into account," says Jorge

Engel, the architect on the project. "Here, we designed a house that fits the environment rather than make the environment fit the house."

Simplicity is the key to this home's interior and an audio/video system would have to integrate seamlessly. Such a clandestine installation was tackled by Mark Gleicher of Modern Home Systems, a company based in San Diego. "This was the kind of home where the audio had to be heard but not seen," he recalls. "The homeowners didn't want anything to interrupt their decor but they wanted a high-performing system that was easy to use." Beginning with the home's spacious media room, Gleicher designed an A/V system that, he says, has George Jetson technology that Fred Flintstone could use.



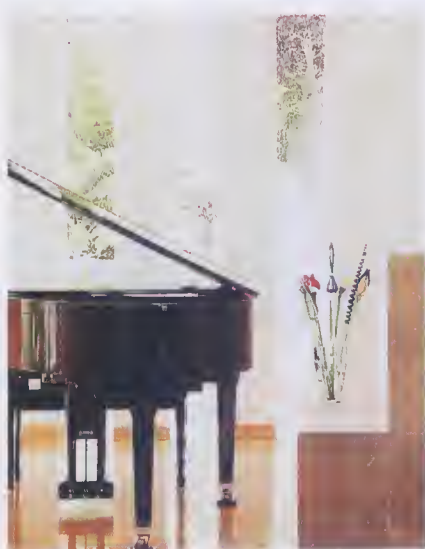
*A Crestron color touch-screen controls the media room's audio/video and motorized blinds.*







The children's rooms are equipped with mini media systems but the real action takes place in the main play area with a Sony 36-inch WEGA flatscreen TV, Marantz 5-disc CD changer and Sonance in-ceiling speakers. Controlling the equipment is child's play with the Pronto remote.



The media room opened to other areas of the house, so Gleicher installed a Marantz 60-inch rear projection set that rests inside a custom laminate cabinet. "They wanted to use the set for day-viewing so rear-projection was the best option," he notes. For discreet surround sound, Sonance Cinema One THX in-wall speakers were installed for the front and rear channels. "Sonance speakers are a real problem solver," exclaims Gleicher. "They hide well and, powered with the Proceed amps, sound great."

Low frequency effects were not neglected, but rather cleverly hidden. "During construction we installed back-

boxes specifically for two in-wall Sonance subs," says Gleicher. "They're over four feet tall to completely enclose the sub. The sound is awesome." Sonance Cinema One rear channels are recessed into the ceiling soffit, and the center channel hides above the TV behind a black grille cloth.

Two Middle Atlantic slide-out racks hold a Proceed five-channel amplifier and digital surround preamp. "Proceed is not over the top but it's very nice gear," says Gleicher. "Owning this pre-amp is like having a computer. If you run Windows 95 and you want to upgrade to Windows 98 you don't have to throw





#### Media Room/Family Room

Marantz PV-6070 60-inch rear projection television  
 Mitsubishi HS-U795 S-VHS VCR  
 Marantz DVD 930 player  
 Proceed AVP digital surround preamplifier  
 Proceed AMP5 five channel THX power amplifier  
 Crestron STC Color touchscreen control system  
 Sonance Cinema One LCR in-wall front channel speakers  
 Sonance Cinema One LCR in custom center enclosure  
 Sonance Cinema One SUR in-wall surround sound speakers  
 Sonance Cinema One SUB powered in-wall subwoofer system  
 Hughes satellite receiver  
 Middle Atlantic AXS equipment rack mounting systems  
 Panamax surge protectors  
 Somfy custom drapery controls

#### House Audio System

Audioaccess PX-600 Multi-zone preamplifiers (2)  
 Sonance 1250 12-channel power amplifiers (2)  
 Sonance 260 Stereo power amplifiers (2)  
 Marantz ST-59 AM/FM tuner  
 Marantz CC-65SE 5-disc CD changer  
 Hughes satellite receiver  
 Sonance T-3000 in-wall speakers  
 Audioaccess KPS-1 in-wall keypads  
 Sonance TR-3000 in-ceiling speakers  
 Sonance DR5001 in-ceiling speakers  
 Sonance AL-1/S & AS-1/S speaker/subwoofer switching system  
 Middle Atlantic AXS equipment rack mounting system  
 Existing Sony 200-disc CD changer  
 Audioaccess KPS-1 in-wall keypad

Audio/video installation by Modern Home Systems, Mark Gleicher, 7007 Carroll Rd., San Diego, CA 92121; (858) 554-0404; [www.modern-homesystems.com](http://www.modern-homesystems.com). Architecture by Jorge Engel, Jorge Engel & Associates, P.O. Box 2175, Del Mar, CA 92014, (858) 350-1175; Cabinetry by Vans Cabinets, (760) 745-5432.

your computer away, you just upgrade the software. If the clients want to add another feature in the future, it's simply a matter of downloading new software."

Smaller media rooms are distributed throughout the house, including one just off the kitchen where a Sony 36-inch WEGA flatscreen TV resides in a custom cabinet made of stainless steel and teak wood laminate. Gleicher incorporated custom tricks such as audio that routes automatically through the kitchen area's Sonance in-wall speakers. The TV, VCR and satellite receivers are operated by a Pronto remote control.

Mini media systems were included in each of the three children's rooms as well, while a main play area sports a Sony WEGA flatscreen TV and custom cabinetry. "We have a CD changer that's hooked into the main system but located in the playroom," says Gleicher. "That way they can put in their own CDs and listen to them through the music system. The kids have some control of the system which makes it more convenient for the parents."

Distributed audio is supplied by Audioaccess keypads and Sonance in-walls strategically located throughout the house. Outdoor audio is supplied by nine pairs of sealed Sonance in-walls. "Sonance offers such a huge range of in-walls," says Gleicher. "The nine pairs of speakers are recessed outside the house and are sealed to protect them from weather. They work very well with the aesthetics of the house."

Summing up the massive project, Gleicher says he's satisfied with the outcome, especially when he sees his clients using and enjoying the integrated system. "The goal here was to create spaces with good acoustics and equipment that wouldn't clash with such an amazing interior," he concludes. "I think we accomplished that."

In this home, such words are an understatement. ■

# CONTROLLING YOUR HOME THEATER

Today's audio/video receivers offer features  
that fit home theaters of every size

The receiver is the heart, "or brains," of a home theater system. In addition to controlling theater components, receivers provide other functions like amplification, video switching and surround sound recording. If you're in the market for a new A/V receiver there are two main criteria to think about—1) The amount of power that the receiver can produce, and 2) the number of components that it can control.

## POWER TO THE SPEAKERS

You may come across two types of receivers—stereo and A/V. A stereo receiver is comprised of an amplifier, pre-amplifier, tuner, and switcher. The A/V Receiver (what we're focusing on here) adds video switching capability and surround sound decoding. While a stereo receiver produces enough power for two speakers, an A/V receiver produces power for five (or more) speakers.

The price of A/V receivers generally goes up with the amount of amplification they provide. Amplification is measured in watts-per-channel—the more wattage your system requires, the more money you're going to pay. In home theater, you need amplification for all speakers (except the subwoofer), and most manufacturers now offer equal amplification to all channels. In other words, the same wattage will apply for the front left, front right, center, rear left, and rear right channels—for a total of five equal channels. A receiver might be rated at 110 watts per channel in the stereo (2-channel) mode, or 75 watts per channel in a Home Theater (5-channel) mode. This is one of the most important developments in recent years because manufacturers now recognize the significance of both the center and rear channels. With surround sound expanding, many new receivers include amplification for six or seven channels based on the new 6.1 and 7.1 surround modes.

Except for entry-level models, receivers today include a digital tuner with station presets to receive AM/FM broadcasts. Some models offer up to 40 station presets. Some receivers allow you to customize stations under headings like "jazz," "rock," "easy listening," etc.



## INPUTS & OUTPUTS

Make sure that the A/V receiver you purchase has enough inputs/outputs for the pieces of equipment your home theater will have—now and in the future. It's better to go overboard in this area because new technologies sprout like weeds in the land of consumer electronics. Your new receiver should also have four video inputs (minimum) for TV, VCR, DVD/LD player, and SAT along with all the appropriate audio inputs. Audio-only inputs may include CD, CD-R, MD, DVD-A (audio), and Tape Deck One. Most of the inputs are found



on the back panel of the receiver. Although, there is another type of input on the front panel of step-up receiver models called the front A/V inputs (or jacks). These inputs are helpful if you plan to do any dubbing from your camcorder or a second VCR. Some upscale models now include gold-plated inputs/outputs for better connectivity, and some new models feature auto-sensing inputs that automatically detect the highest quality audio or video signal.

### **SPEAKER HOOK-UP**

Entry-level and mid-line receivers come with spring-clip connectors for bare (or stripped) speaker wire. The wires are color-coded (normally red or white). Speaker binding posts, which are also color-coded, are found on all higher-end models; intermediate line models may offer a combination of binding posts for the fronts and spring-clips for the rears. Binding posts, however, offer a much better connection opportunity as you can use the bare wire, lugs, pins or even banana plug connectors.

### **MORE FEATURES**

Some other nifty features of some higher-end A/V receivers include Multi-Room and Multi source capability. Multi-room capability allows audio to be placed in other rooms of the house. Multi-source capability allows one person to watch a movie in the family room, while another person listens to a CD in the bedroom—using the same receiver! And finally, today's A/V receivers include system, unified, universal, and/or learning remotes. A system remote will control the receiver and other audio products. A unified remote will control a brand's audio and TV/video products as well. Universal remotes help tie all of your equipment together and have built-in pre-programmed codes for various brands of products from different manufacturers.

Whatever brand receiver you choose, make sure it has both Dolby

Digital and DTS surround decoding. It would also be smart to buy a model that includes Multi-Channel (6-channel) audio inputs to accommodate new technologies like DVD-Audio or SACD, and if you're budget allows, Component Video inputs (which offer the best picture quality)

are a bonus. The little extra money you spend now to upgrade will be well worth the investment. The following chart lists recent brands of A/V receivers, their prices and many of their features. We're sure there is one that fits your home theater needs and budget. ■



## 2001 RECEIVER GUIDE

Brand	Model Number	List Price	Main Amplifier Watts Per Ch.	Center Amplifier Watts Per Ch.	Rear Amplifier Watts Per Ch.	Dolby Pro Logic	Dolby Digital	DTS
AIWA	AV-057	\$300.00	70	70	70	Yes	Yes	No
AIWA	AV-D58	\$240.00	80	80	80	Yes	Yes	Yes
AIWA	AV-067	\$350.00	100	100	100	Yes	Yes	No
AIWA	AV-077	\$400.00	120	120	120	Yes	Yes	Yes
AIWA	AV-D78	\$300.00	100	100	100	Yes	Yes	Yes
AIWA	AV-097	\$450.00	120	120	120	Yes	Yes	Yes
AIWA	AV-098	\$350.00	120	120	120	Yes	Yes	Yes
B & K	AVR305	\$2,998.00	150	150	150	Yes	Yes	Yes
B & K	AVR307	\$3,498.00	150	150	150+150	Yes	Yes	Yes
B & K	AVR5.1	\$2,500.00	105	105	105	Yes	Yes	Yes
CARVER	HR-880	\$799.00	110	75	35	Yes	No	No
CARVER	HR-885.1	\$599.95	110	75	35	Yes	Ready	No
OENON	AVR-1600	\$399.00	60	60	60	Yes	Yes	Ready
OENON	AVR-1700	\$599.00	70	70	70	Yes	Yes	Yes
DENON	AVR-1800	\$599.00	75	75	75	Yes	Yes	Yes
OENON	AVR-2800	\$799.00	85	85	85	Digital	Yes	Yes
OENON	AVR-3300	\$999.00	105	105	105	Digital	Yes	Yes
DENON	AVR-3801	\$1,199.00	105	105	105+105	Digital	Yes	Yes
OENON	AVR-4800	\$1,999.00	125	125	125	Digital	Yes	Yes
OENON	AVR-5700	\$2,900.00	140	140	140	Digital	Yes	Yes
OENON	AVR-5800	\$3,800.00	170	170	170+170	Digital	Yes	Yes
HARMAN/KAROO	AVR110	\$499.00	40	40	40	Yes	Yes	Yes
HARMAN/KARDON	AVR210	\$599.00	40	40	40	Yes	Yes	Yes
HARMAN/KAROO	AVR300	\$699.00	50	50	50	Yes	Yes	Yes
HARMAN/KARDON	AVR310	\$799.00	50	50	50	Yes	Yes	Yes
HARMAN/KAROO	AVR510	\$999.00	70	70	70	Yes	Yes	Yes
HARMAN/KAROO	AVR7000	\$1,499.00	100	100	100	Yes	Yes	Yes
HARMAN/KAROO	AVR8000	\$2,199.00	100	100	100	Yes/Pro Logic II		Yes
JVC	RX-5000VBK	\$200.00	100	100	100	Digital	Ready	Ready
JVC	RX-6000VBK	\$260.00	100	100	100	Digital	Yes	Yes
JVC	RX-6010VBK	\$260.00	100	100	100	Digital	Yes	Yes
JVC	RX-6500VBK	\$300.00	100	100	100	Digital	Yes	Yes
JVC	RX-7000VBK	\$330.00	110	110	110	Digital	Yes	Yes
JVC	RX-7010VBK	\$330.00	100	100	100	Digital	Yes	Yes
JVC	RX-8000VBK	\$450.00	120	120	120	Digital	Yes	Yes
JVC	RX-8010VBK	\$450.00	100	100	100	Digital	Yes	Yes
JVC	RX-9000VBK	\$750.00	120	120	120	Digital	Yes	Yes
JVC	RX-9010VBK	\$550.00	100	100	100	Digital	Yes	Yes
JVC	RX-0P9VBK	\$1,100.00	100	100	100	Digital	Yes	Yes
JVC	RX-0P10VBK	\$1,700.00	120+120	120	120	Digital	Yes	Yes
KENWOOD	VR-405	\$200.00	100	100	100	Yes	Yes	No
KENWOOD	VR-406	\$250.00	100	100	100	Yes	Yes	No
KENWOOD	VR-407	\$300.00	100	100	100	Yes	Yes	Yes
KENWOOD	VR-409	\$400.00	100	100	100	Yes	Yes	Yes
KENWOOD	VR-410	\$500.00	100	100	100	Yes	Yes	Yes
KENWOOD	VR-505	\$200.00	100	100	100	Yes	Yes	Yes
KENWOOD	VR-506	\$250.00	100	100	100	Yes	Yes	Yes
KENWOOD	VR-507	\$300.00	100	100	100	Yes/Pro Logic II		Yes
KENWOOD	VR-509	\$400.00	100	100	100	Yes/Pro Logic II		Yes
KENWOOD	VR-510	\$600.00	110	110	110	Yes/Pro Logic II		Yes
KENWOOD Series 4000	VR-4080-B	\$700.00	110	110	110	Yes	Yes	Yes
KENWOOD Series 4000	VR-4090-B	\$1,150.00	100	100	100	Yes	Yes	Yes
KENWOOD Series 4000	VR-4700	\$1,750.00	100	100	100	Yes	Yes	Yes
KENWOOD Sovereign	VR-4900	\$2,300.00	100	100	100	Yes	Yes	Yes
MARANTZ	SR-3000	\$299.99	40	40	20	Yes	Ready	Ready
MARANTZ	SR-4000	\$449.99	70	70	40	Yes	Yes	Ready
MARANTZ	SR-5000	\$649.99	70	70	70	Yes	Yes	Yes
MARANTZ	SR-7000	\$899.99	100	100	100	Yes	Yes	Yes
MARANTZ	SR-8000	\$1,349.99	105	105	105	Yes	Yes	Yes
MARANTZ Reference Series	SR-14EX	\$4,700.00	120	120	120	Yes	Yes	Yes
MARANTZ Reference Series	SR-18EX	\$3,099.99	140	140	140	Yes	Yes	Yes
MARANTZ Reference Series	SR-19	\$1,799.99	120	120	120	Yes	Yes	Yes
MARANTZ Reference Series	SR-19EX	\$2,299.99	130	130	130	Yes	Yes	Yes
MCINTOSH	MHT100	\$5,000.00	100+50 (Zone B)		100	100	Enhanced	Yes
MCINTOSH	MX132/MC7205	NA	120	120	120	Enhanced	Yes	Yes
MITSUBISHI	M-VR700	\$599.00	70	70	70	Yes	Yes	Yes



## 2001 RECEIVER GUIDE

		List Price	Main Amplifier Watts Per Ch.	Center Amplifier Watts Per Ch.	Rear Amplifier Watts Per Ch.	Dolby Pro Logic	Dolby Digital	DTS
MITSUBISHI	M-VR900	\$799.00	100	100	100	Yes	Yes	Yes
NAD Theater Series	T751	\$749.00	60	60	60	Yes	Yes	Yes
NAD Theater Series	T761	\$999.00	80	80	80	Yes	Yes	Yes
NAO Theater Series	T770	\$1,699.00	70	70	70	Yes	Yes	Ready
NAKAMICHI	AV-7	\$599.00	80	80	80	Yes	Ready	Ready
NAKAMICHI	AV-8	\$799.00	80	80	80	Yes	Yes	Ready
NAKAMICHI	AV-10	\$1,199.00	100	100	100	Yes	Yes	Yes
ONKYO	TX-SV373	\$269.95	50	50	20	Yes	No	No
ONKYO	TX-DS474	\$399.95	55	55	55	Digital	Yes	Ready
ONKYO	TX-DS484	\$329.95	55	55	55	Digital	Yes	Yes
ONKYO	TX-OS575	\$529.95	70	70	70	Digital	Yes	Yes
ONKYO	TX-OS676	\$829.95	85	85	85	Digital	Yes	Yes
ONKYO	TX-DS777	\$1,049.95	110	110	110	Digital	Yes	Yes
ONKYO	TX-DS787	\$1,049.95	100	100	100+100	Digital	Yes	Yes
ONKYO	TX-DS989	\$3,200.00	130	130	130+130x2	Digital	Yes	Yes
ONKYO OVD Receiver	OR-90	\$729.95	50	50	50	Digital	Yes	Yes
PHILIPS Home Cinema Solutions	FR960	\$399.00	60	60	60	Yes	Yes	No
PHILIPS Home Cinema Solutions	FR965	\$299.00	60	60	60	Yes	Yes	No
PHILIPS Home Cinema Solutions	FR975	\$399.00	100	100	100	Yes	Yes	Yes
PIONEER	VSX-0209	\$260.00	60	60	60	Yes	Ready	No
PIONEER	VSX-D309	\$325.00	60	60	60	Yes	Yes	Yes
PIONEER	VSX-0409	\$380.00	100	100	100	Yes	Yes	Yes
PIONEER	VSX-0509S	\$435.00	100	100	100	Yes	Yes	Yes
PIONEER	VSX-D510	\$325.00	100	100	100	Yes	Yes	Yes
PIONEER	VSX-D710S	\$475.00	100	100	100	Yes	Yes	Yes
PIONEER	VSX-0810S	\$575.00	100+100	100	100	Yes	Yes	Yes
PIONEER Elite	VSX-36TX	\$1,450.00	100	100	100	Yes	Yes	Yes
PIONEER Elite	VSX-37TX	\$1,900.00	120	120	120	Yes	Yes	Yes
PIONEER Elite	VSX-39TX	\$2,500.00	120	120	120	Yes	Yes	Yes
PROTON	AS-2680	NA	80	80	80	Yes	Yes	Ready
RCA	RT2400R	\$499.00	100	100	100	Yes	Yes	No
ROTEL	RSX-972	\$699.00	75	75	75	Yes	Yes	Yes
ROTEL	RSX-965	\$1,199.00	75	75	75	Yes	Yes	Yes
ROTEL	RSX-1065	\$1,099.00	120	120	120	Yes	Yes	Yes
SANSUI	RZ-2200	\$200.00	30	30	30	Yes	No	No
SANSUI	RZ-3200	\$220.00	50	50	15	Yes	No	No
SANSUI	RZ-5200	\$550.00	55	55	17	Yes	No	No
SANSUI	RZ-8200	\$550.00	75	75	25	Yes	No	No
SCOTT OVO Receiver Combo	SCS250R	NA	50	50	50	Yes	Yes	Yes
SHERWOOD	RV-4080R	\$299.95	50	50	50	Yes	No	No
SHERWOOD	RVD-5090R	\$249.96	70	70	70	Digital	No	No
SHERWOOD	RVD-6090R	\$349.95	100	100	100	Digital	Yes	Ready
SHERWOOD	RVO-6095R	\$399.95	100	100	100	Digital	Yes	Yes
SHERWOOD	RVO-7090R	\$449.95	100	100	100	Digital	Yes	Ready
SHERWOOD	RVO-8090R	\$499.95	100	100	100	Digital	Yes	Yes
SHERWOOD	RVO-9090R	\$699.95	100	100	100	Digital	Yes	Yes
SHERWOOD Newcastle	R-326	\$399.95	50	50	50	Yes	Ready	Ready
SHERWOOD Newcastle	R-626	\$599.95	70	70	70	Yes	Yes	Ready
SHERWOOD Newcastle	R-756	\$899.95	100	100	100	Digital	Yes	Yes
SHERWOOD Newcastle	R-863	\$1,199.95	100	100+100	100	Yes/Pro Logic II	Yes	Yes
SHERWOOD Newcastle	R-956	\$1,499.95	120	120+120	120	Digital	Yes	Yes
SHERWOOD Newcastle	R-963	\$1,999.95	120	120+120	120	Yes/Pro Logic II	Yes	Yes
SONY	STR-DE335	\$250.00	80	80	80	No	Ready	Ready
SONY	STR-OE345	\$250.00	100	100	100	Yes	Ready	Ready
SONY	STR-OE435	\$300.00	100	100	100	Yes	Ready	Ready
SONY	STR-OE445	\$300.00	80	80	80	Yes	Yes	Yes
SONY	STR-DE535	\$360.00	100	100	100	Yes	Ready	Ready
SONY	STR-OE545	\$360.00	100	100	100	Yes	Yes	Yes
SONY	STR-OE835	\$480.00	100	100	100	Yes	Yes	Yes
SONY	STR-OE845	\$480.00	100	100	100	Yes	Yes	Yes
SONY	STR-OE935	\$600.00	110	110	110	Yes	Yes	Yes
SONY	STR-OE945	\$600.00	110	110	110	Yes	Yes	Yes
SONY ES Series	STR-V333ES	\$800.00	80	80	80	Digital	Yes	Yes
SONY ES Series	STR-V444ES	\$1,000.00	120	120	120	Digital	Yes	Yes
SONY ES Series	STR-V555ES	\$1,300.00	120	120	120	Digital	Yes	Yes
TEAC	AG-08100	NA	60	60	60	Yes	Yes	Yes

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Model	Model Number	List Price	Main Amplifier Watts Per Ch.	Center Amplifier Watts Per Ch.	Rear Amplifier Watts Per Ch.	Dolby Pro Logic	Dolby Digital	DTS
TEAC	AG-D9000	NA	100	100	100	Yes	Ready	Ready
TEAC	AG-D9300	NA	100	100	100	Yes	Yes	Yes
TEAC	AG-V8500	NA	100	100	50	Yes	No	No
TEAC Reference 500	AV-H500D	NA	50	50	50	Yes	Ready	Ready
TECHNICS	SA-AX730	\$299.95	100	100	100	Yes	Ready	Ready
TECHNICS	SA-DX930	\$399.95	100	100	100	Yes	Yes	Yes
TECHNICS	SA-DA8N	\$599.95	100	100	100	Yes	Yes	Yes
TECHNICS	SA-DA10	\$799.95	100	100	100	Yes	Yes	Yes
TECHNICS	SFDX7 Package	\$699.95	100	100 + 100 (Sub)	100	Yes	Yes	Yes
TOSHIBA DVD Receiver	SD-6109C	\$799.95	50	50	50	Digital	Yes	Yes
YAMAHA	RX-V396	\$299.00	60	60	30	Digital	Yes	Ready
YAMAHA	RX-V420	\$299.00	65	65	65	Enhanced	Yes	Yes
YAMAHA	RX-V496	\$399.00	70	70	70	Digital	Yes	Yes
YAMAHA	RX-V520	\$399.00	80	80	80	Enhanced	Yes	Yes
YAMAHA	RX-V596	\$499.00	100	100	100	Enhanced	Yes	Yes
YAMAHA	RX-V620	\$499.00	100	100	100	Enhanced	Yes	Yes
YAMAHA	RX-777	\$599.00	100	0	0	Enhanced	No	No
YAMAHA	RX-V800	\$799.00	100	100	100	Enhanced	Yes	Yes
YAMAHA	RX-V1000	\$999.00	100	100	100	Enhanced	Yes	Yes
YAMAHA	RX-V3000	\$1,999.00	100+100	100	100+25	Enhanced	Yes	Yes
YAMAHA	RX-V3000GL	\$2,099.00	100+100	100	100+25	Enhanced	Yes	Yes
YAMAHA	RX-V1	\$3,199.00	110+110	110	110+35	Enhanced	Yes	Yes
YAMAHA	RX-V1GL	\$3,299.00	110+110	110	110+35	Enhanced	Yes	Yes

Model	Model Number	6 1/7.1 Surround	Other Surround modes	Audio I/O -Pair	Video I/O	S-Video I/O
AIWA	AV-D57	No	SUPER T-BASS	8/3	3/3	0/0
AIWA	AV-D58	No	BBE/SUPER T-BASS	8/3	3/2	0/0
AIWA	AV-D67	No	SUPER T-BASS	8/3	3/3	0/0
AIWA	AV-D77	No	BBE	8/3	3/3	2/0
AIWA	AV-D78	No	BBE/SUPER T-BASS	8/3	3/2	2/0
AIWA	AV-D97	No	BBE	8/3	3/3	2/0
AIWA	AV-D98	No	BBE/SUPER T-BASS	8/3	3/3	2/2
B & K	AVR305	6.1/7.1 SURRDUNO/SURRDUND EX	None	7/5	7/5	7/5
B & K	AVR307	6.1/7.1 SURRDUND/SURROUND EX	None	7/5	7/5	7/5
B & K	AVR5.1	No	None	6/6	6/6	6/6
CARVER	HR-880	No	SDNIC HDLDGRAPHY	7/3	4/1	3/2
CARVER	HR-885.1	No	SONIC HOLOGRAPHY	7/3	4/1	3/2
DENON	AVR-1600	No	Yes/11 MODES	6/2	3/1	0/0
DENON	AVR-1700	No	Yes/11 MODES	9/2	5/1	0/0
DENON	AVR-1800	No	Yes/11 MOOES	9/2	5/1	0/0
DENON	AVR-2800	No	None	9/2	5/1	5/1
DENON	AVR-3300	No	5-CH.STEREO	9/2	5/1	5/1
DENON	AVR-3801	DD MATRIX 6.1/DTS ES/DTS NEO 6	5/7-CH.STERED	9/3	5/3	5/3
DENON	AVR-4800	THX SURROUND EX	THX ULTRA	11/4	6/4	6/4
DENON	AVR-5700	No	THX ULTRA	11/6	6/4	8/4
DENON	AVR-5800	THX SURROUND EX/MATRIX 6.1/DTS ES/DTS NEO 6	5/7-CH.STEREO	13/5	8/5	8/5
HARMAN/KARDON	AVR110	No	LOGIC7/VMAx	7/2	4/1	1/1
HARMAN/KARDON	AVR210	No	LOGIC7/VMAx/5-Ch.Stereo	7/2	4/1	1/1
HARMAN/KARDON	AVR300	No	OOLBY 3-CH/HALL/THEATER	7/2	4/1	2/1
HARMAN/KARDON	AVR310	No	LDGIC7/VMAx	7/2	4/1	2/1
HARMAN/KARDON	AVR510	No	LDGIC7/VMAx	7/2	4/1	2/1
HARMAN/KARDON	AVR7000	No	LDGIC7/VMAx/Virtual 3D Theater	9/2	5/2	5/2
HARMAN/KARDON	AVR8000	DD MATRIX 6.1/DTS ES/DTS NEO/THX EX	LDGIC7.1/VMAx/Virtual 3D Theater	9/2	5/2	5/2
JVC	RX-5000VBK	No	3D-PHDNIC	5/1	2/1	0/0
JVC	RX-6000VBK	No	3D-PHDNIC	6/1	3/1	1/1
JVC	RX-6010VBK	No	3D-PHDNIC	5/1	3/1	1/1
JVC	RX-6500VBK	No	3D-PHDNIC	6/1	3/1	1/1
JVC	RX-7000VBK	No	3D-PHDNIC	6/1	3/1	3/2
JVC	RX-7010VBK	No	3D-PHDNIC	6/1	3/1	3/2
JVC	RX-8000VBK	No	3D-PHDNIC	8/1	5/1	4/2



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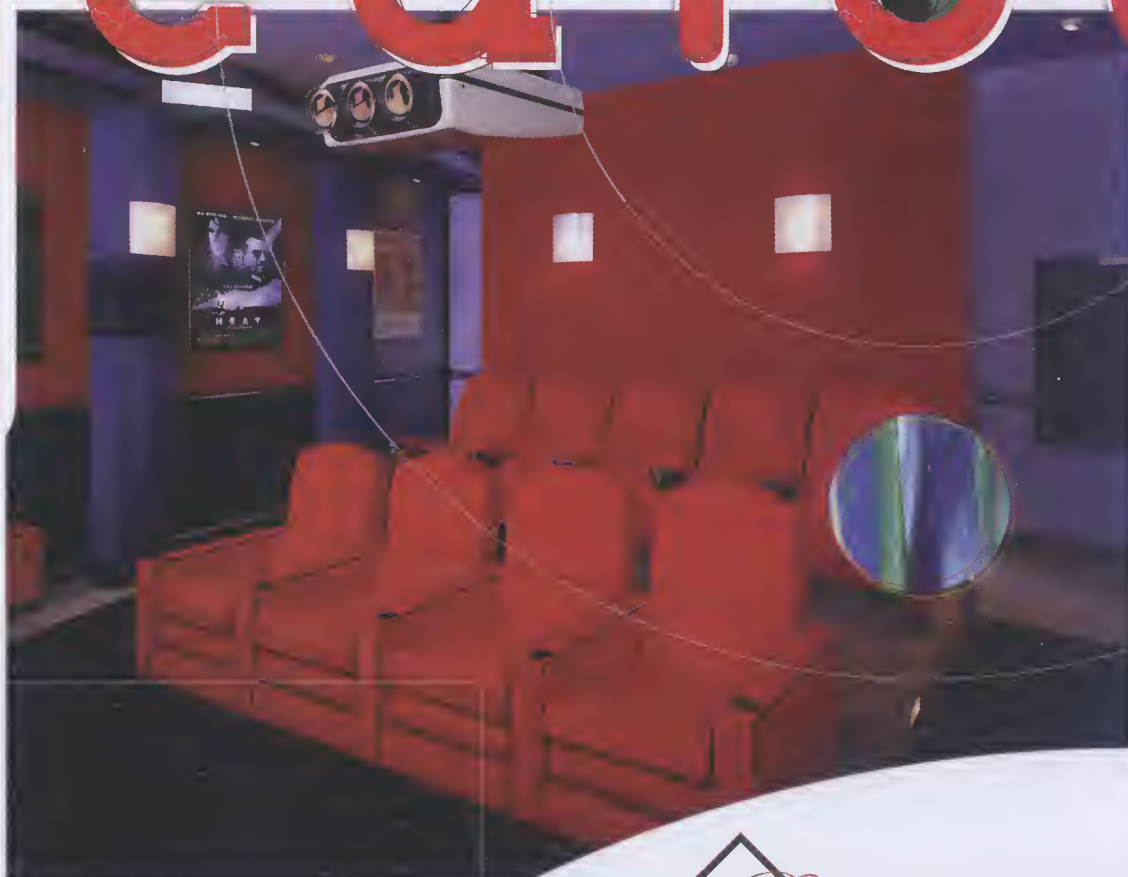
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## 2001 RECEIVER GUIDE

Brand	Model	6 1/7.1 Surround	Other Surround modes	Audio I/O -Pair	Video I/O	S-Video I/O
JVC	RX-8010VBK	No	3D-PHONIC	9/1	5/1	5/3
JVC	RX-9000VBK	No	3D-PHONIC	8/1	5/1	4/2
JVC	RX-9010VBK	No	3D-PHONIC	9/1	5/1	5/3
JVC	RX-DP9VBK	THX SURROUND EX	3D-PHONIC	9/1	5/1	5/3
JVC	RX-DP10VBK	THX SURROUND EX	3D-PHONIC	9/1	5/1	5/3
KENWOOD	VR-405	No	None	7/3	3/2	3/1
KENWOOD	VR-406	No	None	7/3	3/2	3/1
KENWOOD	VR-407	No	None	7/3	3/2	3/1
KENWOOD	VR-409	No	None	6/3	4/2	4/2
KENWOOD	VR-410	No	None	6/3	4/2	4/2
KENWOOD	VR-505	No	None	6/2	3/1	0/0
KENWOOD	VR-506	No	DDLBY3	6/2	3/1	3/1
KENWOOD	VR-507	No	DDLBY3/CS CIRCLE 5.1	8/2	4/1	4/1
KENWOOD	VR-509	No	DDLBY3/CS CIRCLE 5.1	8/2	4/1	4/1
KENWOOD	VR-510	No	DDLBY3/CS CIRCLE 5.1	8/2	4/1	4/1
KENWOOD Series 4000	VR-4080-B	No	None	7/3	3/2	3/1
KENWOOD Series 4000	VR-4090-B	No	None	7/3	3/2	3/1
KENWOOD Series 4000	VR-4700	No	None	7/3	3/2	3/1
KENWOOD Sovereign	VR-4900	No	None	7/3	3/2	3/1
MARANTZ	SR-3000	No	HALL/MATRIX	8/1	4/1	0/0
MARANTZ	SR-4000	No	HALL/MATRIX	8/1	5/1	0/0
MARANTZ	SR-5000	No	NIGHT MDDE	8/1	5/1	5/1
MARANTZ	SR-7000	No	NIGHT MDDE	8/1	5/1	5/1
MARANTZ	SR-8000	No	NIGHT MDDE	8/1	5/1	5/1
MARANTZ Reference Series	SR-14EX	THX 7.1 EX	None	10/5	6/4	5/3
MARANTZ Reference Series	SR-18EX	THX 7.1 EX	None	10/5	6/4	5/3
MARANTZ Reference Series	SR-19	No	None	10/5	6/4	5/3
MARANTZ Reference Series	SR-19EX	DD MATRIX 6.1/DTS ES/THX 7.1 EX	None	10/5	6/4	5/3
MCINTOSH	MHT100	No	MIDNIGHT DDLBY	8/4	7/4	7/3
MCINTOSH	MX132/MC7205	No	MIDNIGHT DDLBY	11/4	11/4	11/3
MITSUBISHI	M-VR700	No	DOLBY 3/FRONT ROW/EX/PRIME TIME	10/3	4/2	4/2
MITSUBISHI	M-VR900	No	DOLBY 3/FRONT ROW/EX/PRIME TIME	10/3	4/2	4/2
NAD Theater Series	T751	No	MUSIC/EARS	7/2	5/2	3/1
NAD Theater Series	T761	No	MUSIC/EARS	7/2	5/2	3/2
NAD Theater Series	T770	No	ENHANCED AMBIENCE RECOVERY SYS.	9/2	5/1	5/1
NAKAMICHI	AV-7	No	HALL/MATRIX	7/2	4/3	0/0
NAKAMICHI	AV-8	No	HALL/MATRIX	7/2	4/3	4/3
NAKAMICHI	AV-10	No	HALL/MATRIX	7/2	4/3	4/3
ONKYO	TX-SV373	No	None	6/2	3/2	0/0
ONKYO	TX-DS474	No	HALL/LIVE/ARENA/STUDIO	6/2	3/2	0/0
ONKYO	TX-DS484	No	HALL/LIVE/ARENA/STUDIO	6/2	3/2	0/0
ONKYO	TX-DS575	No	LATE NIGHT	7/2	4/2	0/0
ONKYO	TX-DS676	No	LATE NIGHT	7/2	4/2	0/0
ONKYO	TX-DS777	No	LATE NIGHT	7/2	4/2	4/2
ONKYO	TX-DS787	THX SURROUND EX	LATE NIGHT	8/3	5/3	5/3
ONKYO	TX-DS989	THX SURROUND EX	THX/HALL/MATRIX/THEATER	10/3	7/3	7/2
ONKYO DVD Receiver	DR-90	No	LATE NIGHT	7/4	4/2	0/0
PHILIPS Home Cinema Solutions	FR960	No	VIRTUAL 3D	9/2	4/2	5/3
PHILIPS Home Cinema Solutions	FR965	No	NATURAL	10/2	3/2	0/0
PHILIPS Home Cinema Solutions	FR975	No	NATURAL	12/2	4/2	5/1
PIONEER	VSX-D209	No	None	6/2	3/2	0/0
PIONEER	VSX-D309	No	ADVANCED THEATER	6/2	3/2	0/0
PIONEER	VSX-D409	No	ADVANCED THEATER	7/2	3/2	0/0
PIONEER	VSX-D509S	No	ADVANCED THEATER/MIDNIGHT MDDE	8/2	4/2	4/2
PIONEER	VSX-D510	No	ADVANCED THEATER/MIDNIGHT MDDE	8/2	4/2	4/2
PIONEER	VSX-D710S	No	ADVANCED THEATER/MIDNIGHT MDDE	8/2	4/2	4/2
PIONEER	VSX-D810S	No	ADVANCED THEATER	8/2	4/2	4/2
PIONEER Elite	VSX-36TX	THX SURROUND EX	DANCE/HALL(2)/JAZZ/THEATER(2)	10/3	5/3	5/3
PIONEER Elite	VSX-37TX	THX SURROUND EX	DANCE/HALL(2)/JAZZ/THEATER(2)	10/3	5/3	5/3
PIONEER Elite	VSX-39TX	THX SURROUND EX/DTS ES	DANCE/HALL(2)/JAZZ/THEATER(2)	10/3	5/3	5/3
PROTDN	AS-2680	No	None	8/2	4/2	3/1



## 2001 RECEIVER GUIDE

Brand	Model Number	6 1/7.1 Surround	Other Surround modes	Audio I/O -Pair	Video I/O	S-Video I/O
RCA	RT2400R	No	None	7/2	4/2	2/0
ROTEL	RSX-972	No	None	8/3	5/3	5/3
ROTEL	RSX-965	No	None	10/2	6/2	6/1
ROTEL	RSX-1065	No	None	8/3	5/3	5/3
SANSUI	RZ-2200	No	DOLBY 3-CH	4/1	2/0	0/0
SANSUI	RZ-3200	No	LIVE/HALL/DDLB 3-CH	4/1	2/0	0/0
SANSUI	RZ-5200	No	None	5/1	2/0	0/0
SANSUI	RZ-8200	No	THEATER/HALL/DOME/NATURAL	7/1	2/2	0/0
SCOTT OVO Receiver Combo	SCS250R	No	NIGHT MDDE	6/2	3/1	2/1
SHERWOOD	RV-4080R	No	DOLBY 3-CH	7/1	4/1	2/1
SHERWOOD	RVD-5090R	No	DDLB 3-CH	7/1	4/1	2/1
SHERWOOD	RV0-6090R	No	DDLB 3-CH	7/1	4/2	0/0
SHERWOOD	RV0-6095R	No	DOLBY 3-CH	7/1	4/2	0/0
SHERWOOD	RV0-7090R	No	DDLB 3-CH	7/1	4/2	0/0
SHERWOOD	RV0-8090R	No	DDLB 3-CH	7/1	4/2	0/0
SHERWOOD	RVD-9090R	No	DOLBY 3-CH	7/1	4/2	2/1
SHERWOOD Newcastle	R-326	No	V-MAX/SIMULATED/SPREADER	7/3	3/2	0/0
SHERWOOD Newcastle	R-626	No	THEATER/HALL 1/HALL 2	10/4	5/2	0/0
SHERWOOD Newcastle	R-756	No	VIRTUAL DDLBY/CIRCLE SURROUND	8/2	4/2	4/2
SHERWOOD Newcastle	R-863	DD MATRIX 6.1/DTS ES/DTS NEO	VIRTUAL SURROUND	8/2	4/2	4/2
SHERWOOD Newcastle	R-956	DTS SURROUND ES	VIRTUAL DDLBY/CIRCLE SURROUND	9/2	4/2	4/2
SHERWOOD Newcastle	R-963	DD MATRIX 6.1/DTS ES/DTS NED	VIRTUAL SURROUND	9/2	4/2	4/2
SONY	STR-0E335	No	VIRTUAL DDLBY	5/1	2/0	0/0
SONY	STR-0E345	No	VIRTUAL DDLBY	5/1	2/1	0/0
SONY	STR-DE435	No	VIRTUAL DDLBY	5/1	2/2	0/0
SONY	STR-0E445	No	DIGITAL CINEMA/VIRTUAL 3D	6/1	3/1	0/0
SONY	STR-0E535	No	VIRTUAL DDLBY	6/1	2/2	0/0
SONY	STR-0E545	No	DIGITAL CINEMA/VIRTUAL 3D	6/1	3/1	1/1
SONY	STR-0E835	No	DIGITAL CINEMA SOUND	8/1	4/3	0/0
SONY	STR-0E845	No	DIGITAL CINEMA/VIRTUAL 3D	7/2	4/2	3/1
SONY	STR-0E935	No	DIGITAL CINEMA SOUND w/VIRTUAL 3D	10/2	5/3	0/0
SONY	STR-0E945	No	DIGITAL CINEMA SOUND w/VIRTUAL 3D	9/2	5/2	1/1
SONY ES Series	STR-V333ES	VIRTUAL 6.1	VIRTUAL 3D/CINEMA STUDIO	10/5	5/5	1/1
SONY ES Series	STR-V444ES	VIRTUAL 6.1	VIRTUAL 3D/CINEMA STUDIO	10/5	5/5	1/1
SONY ES Series	STR-V555ES	VIRTUAL 6.1	VIRTUAL 3D/CINEMA STUDIO	10/5	5/5	1/1
TEAC	AG-08100	No	Yes/8 MDDES	8/2	4/2	0/0
TEAC	AG-09000	No	Yes/7 MDDES	7/1	3/1	0/0
TEAC	AG-09300	No	Yes/8 MDDES	8/2	4/2	3/2
TEAC	AG-V8500	No	Yes/4 MDDES	7/1	3/1	0/0
TEAC Reference 500	AV-H5000	No	Yes/5 MODES	5/1	3/1	0/0
TECHNICS	SA-AX730	No	HALL/CLUB/LIVE/THEATER/SIMULATED	7/4	4/4	0/0
TECHNICS	SA-0X930	No	HALL/CLUB/LIVE/THEATER/SIMULATED	7/4	4/4	0/0
TECHNICS	SA-0A8N	No	HALL/CLUB/LIVE/THEATER/SIMULATED	9/3	5/3	2/1
TECHNICS	SA-0A10	No	HALL/CLUB/LIVE/THEATER/SIMULATED	9/3	5/3	2/1
TECHNICS	SFOX7 Package	No	HALL/CLUB/LIVE/THEATER/SIMULATED	4/4	5/5	1/1
TOSHIBA DVD Receiver	SD-6109C	No	LATE NIGHT	7/4	4/2	0/0
YAMAHA	RX-V396	No	None	6/2	3/1	0/0
YAMAHA	RX-V420	No	None	8/1	4/1	0/0
YAMAHA	RX-V496	No	MONO/ROCK/HALL/CONCERT VIDEO/35MM MOVIE	7/2	4/2	2/1
YAMAHA	RX-V520	No	None	8/1	4/1	4/1
YAMAHA	RX-V596	No	HALL/ROCK/DISCO/STADIUM/MONO CONCERT VIDEO	8/3	5/3	5/3
YAMAHA	RX-V620	No	None	9/2	5/2	4/1
YAMAHA	RX-777	No	None	7/2	3/1	0/0
YAMAHA	RX-V800	DD MATRIX 6.1/DTS ES	Yes/39 MODES	10/3	6/3	6/3
YAMAHA	RX-V1000	DD MATRIX 6.1/DTS ES	Yes/41 MODES	10/3	6/3	6/3
YAMAHA	RX-V3000	DD MATRIX 6.1/DTS ES	Yes/49 MDDES	11/3	7/3	7/3
YAMAHA	RX-V3000GL	DD MATRIX 6.1/DTS ES	Yes/49 MODES	11/3	7/3	7/3
YAMAHA	RX-V1	DD MATRIX 6.1/DTS ES	Yes/54 MODES	12/5	9/2	9/2
YAMAHA	RX-V1GL	DD MATRIX 6.1/DTS ES	Yes/54 MDDES	12/5	9/2	9/2

# OLYMPIC ACHIEVEMENTS

**Digital surround receivers and processors join forces to create a dedicated theater and distributed audio**

PHOTOGRAPHY BY AL TEUFEN

And the winner of the gold medal for best overall home is... Designers and builders at Kingdom Development Corporation and Audio Craft Company have every reason to be proud. The team devoted six months of 60-hour weeks to complete this 5,400-square-foot home just in time for the annual Homarama show in Columbus, where they won not only the coveted prize for best overall home, but also gold medals in six of the 12 other categories and a bronze for their media room.

Like most custom homes, this one was built with an eye toward "the wow factor." It was designed specifically to impress three judges and the more than 21,000 visitors who would walk through its rooms over the course of the two-week show. Interior designer Staci Halpern said she tried to appeal to a wide audience with each room taking on a different theme and still blending into a cohesive design.

Despite Halpern's feminine touch, the home has a very rustic, masculine feel with plenty of stone, wood and earth tones that bring the outside in, as she puts it. At the same time it maintains a cozy appeal that invites guests to snuggle into one of the comfy couches, grab the Crestron touchscreen controller and watch a movie or listen to some favorite music.

One of the more interesting aspects of the home is the theater's location. Most dedicated theaters are built into a lower level or basement to take advantage of the natural tendency for fewer windows and a solid foundation. However, the designers decided to try the attic. The room's shape, coupled with the top-end electronics and speakers, made for a happy acoustic combination.

In the no-holds-barred design mentality that went into the entire project, a full complement of McIntosh audio components and speakers fills the room with the reliable sound that the Binghamton, New York company is known for. At the heart of the system is a McIntosh MX-132 AM-FM tuner, preamp and digital surround processor backed up by a MC-7205 five-channel amplifier, a McIntosh MVP-831 DVD/CD player and McIntosh SL main speakers and subwoofer. Because of the room's slanting walls and the need to make the speakers completely flush so visitors wouldn't bump their heads, Phase







Just off the kitchen is a comfy living area with a Runco PL-42 plasma TV mounted above the fireplace. A Sony receiver and digital surround processor, and two Phase in-wall speakers hide in matching inglenooks that flank the hearth.



One of the more interesting features of the home is the theater's 12 x 20-foot attic location. Its sharp-pitched roof aided acoustics by eliminating standing waves, while a full complement of McIntosh gear supplies reliable audio. A ceiling-mounted Runco DLP projector combines with a 74-inch Stewart screen for super crisp video.



Technology CI-60V in-wall speakers were used to round out the surround effect.

With the exception of the dedicated theater, Phase Technology in-wall speakers keep the home's design uncluttered. While standing at the kitchen's center island, the cook can look across the 28-foot wide space and over the couch at a Runco PL-42 plasma TV mounted above the fireplace. Builders installed the Sony receiver and digital surround processor, Sony CD player and Mitsubishi VCR, and the entire Crestron central con-

trol system behind matching inglenooks that flank the hearth.

Another fun feature is designed into the master bathroom. Of course, Phase Technology in-wall speakers provide great sound, and a Crestron in-wall control operates everything from the music selection to a steam shower. But the biggest surprise is the smallest technology—a 20-inch Sony TV that is mounted behind a one-way mirror at the foot of the jetted tub. At the press of a button, your reflection fades as a picture appears on the screen—another high scorer on the "wow" meter.



It will come as no surprise that all this equipment is not cheap. The entire package including the 15,000 feet of wire, and the McIntosh theater equipment added about \$150,000 to the home's \$1.5 million price tag. But because of its status in the show, and the guaranteed exposure it would generate, Audio Craft put together a "gentlemen's agreement" with Kingdom Development to install the finest audio components and leave them in place after the show to help market the house. The loaner agreement has led to an avalanche of new business for Audio Craft and an Olympic Audio/Video Achievement for everyone involved. ■

Audio/video design and installation by Steve Bland, Audio Craft Company, 3915 Carnegie Ave., Cleveland, OH 44115; (216) 431-7300. Kingdom Development Corporation, Bainbridge Rd., Solon, Ohio 44139; (440) 519-3508; Interior design by Staci Halpern, (440) 519-3508. Architecture by RSA Architects, Inc., (440) 247-3990.



#### Home Theater

McIntosh MX-132 AM-FM tuner/pre-amp/digital surround processor  
 McIntosh MC-7205 5-channel amplifier  
 McIntosh MVP-831 DVD/CD player  
 McIntosh SL-6 speakers (2)  
 McIntosh SL-1 powered subwoofer  
 McIntosh HT-1 center channel speaker  
 Phase Technology RB-2 speaker rough-in brackets (4)  
 Phase Technology CI-60V in-wall speakers (4)  
 Crestron CNMSX-PRO remote control system processor  
 Crestron ST-3500C 2-way active matrix touchscreen controller  
 Crestron ST-LT Lutron interface  
 Crestron ST-VS video sync sensor module  
 Crestron ST-CS dual current sensor module  
 Crestron ST-PC dual power control module  
 Crestron ST-RMK rack kits (2)  
 Niles IPC-12 surge & noise filter  
 Middle Atlantic AXS-31 equipment racks (2)  
 Middle Atlantic TRACK50 service track  
 Middle Atlantic TS-310 service stand  
 Middle Atlantic RSH-4A custom rack mounts (3)  
 Middle Atlantic DVD shelves (2)  
 Middle Atlantic VTP-2 ventilation panels (3)  
 Middle Atlantic BL-2 blank panels (4)  
 Monster/Tributaries premium interconnect cable package  
 Stewart LX088HST13BB-12-2-3.625 40.5 X 72-inch electric, roll down projection screen  
 Stewart STI 12V screen trigger interface  
 Runco VX101c DLP video projector  
 Runco VHD101c scaler/controller  
 Runco DLP projector ceiling mount bracket  
 Monster AV600 surge & noise filter  
 TV/DirecTV-phone wall jack  
 Lutron Graphic Eye lighting controller

#### Hearth Room

Runco PL-42 Plasma TV/monitor (above fireplace)  
 Runco Plasma TV wall mounting bracket  
 Phase Technology RB-2 speaker rough-in brackets (2)  
 Phase Technology CI-20V in-wall speakers (2)  
 Crestron CT-1000 color in-wall control screen  
 Sony CDP-CX333ES 300-disc CD player  
 Sony STR-DA333ES AM-FM stereo receiver/digital surround processor  
 Mitsubishi HS-U575 hi fi stereo VCR  
 Mitsubishi DVD-650 progressive scan DVD/CD player  
 Crestron CNMSX-PRO control processor  
 Crestron CNANT antenna extension  
 Crestron ST-BC battery pack/charger  
 Crestron CNRFGWX two-way RF gateway  
 Crestron CNXTA telephone interface card  
 Crestron PAD-8 audio distribution controller  
 Crestron ST-TUNE AM-FM-TV-WEATHERBAND tuner (distribution)  
 Crestron ST-TUNE (Hearth Room plasma)  
 Crestron ST-LT Lutron interface  
 Crestron ST-VS video sync sensor module  
 Crestron ST-CS current sensor module  
 Crestron ST-PC dual power control module  
 Crestron ST-RMK rack mounts (2)  
 Niles SI-1230-RMK 12-channel audio distribution amplifiers (2)  
 Niles IPC-12 surge & noise filter  
 Monster/Tributaries premium interconnect cable package  
 Middle Atlantic AXS-43 equipment rack  
 Middle Atlantic TRACK50 service track  
 Middle Atlantic TS-310 service stand  
 Middle Atlantic VTP-1 ventilation panels (4)  
 Middle Atlantic BL-1 blank panels (4)  
 Middle Atlantic RSH-4A custom rack mounts (4)  
 Middle Atlantic RSH-4A for optional Mits. SR-HD500  
 Middle Atlantic DVD shelves (2)

# GOING WIDE

If you want a true home theater experience,  
consider buying a widescreen TV

Television—man's true best friend—has come a long way over the past 50 years. From the small, black and white screens of the 1950s, to the behemoth rear-projection sets we see today, the shape, size and capabilities of television sets continue to change. The recent proliferation of widescreen models is a prime example.

One primary characteristic of any video display is its aspect ratio, which is the ratio of its width to its height. Conventional square-shaped TVs have an aspect ratio of 4:3, which is sometimes expressed as 1.33:1. Widescreen sets have an aspect ratio of 16:9, which is equivalent to 1.78:1 and closer to the shape of commercial theater screens.

On most widescreen sets, there are several viewing modes, which are engaged depending on the material you're watching. A film with an aspect ratio of 1.85:1 will virtually fill the screen without any manipulations of the picture. This is especially important with anamorphic DVDs, which store the full-width image in a "squeezed" format; such DVDs are often labeled "enhanced for widescreen" or "enhanced for 16:9." Widescreen sets can display the entire image from anamorphic discs without losing any information. This can't be said for most 4:3 TVs.

## CONSIDER HI-DEF

Most current widescreen direct-view and rear-projection televisions are hi-definition "capable." Complete HDTVs sets are still quite





expensive because they include a built-in DTV tuner in addition to all the circuitry and connections found on "capable" sets. To reduce cost and make HD sets more accessible, HD-capable sets include most of the circuitry required to display HD signals. However, if you want to watch high-definition television, you will need an HD-capable TV and a set-top box to convert the signal. Depending on the type of television that you own, a set-top box will either pass, downconvert, or upconvert high-definition signals. The prices of set-top boxes are dropping (as low as \$200) and offer the average consumer a reasonable path to HDTV.



### THERE ARE CHOICES

The shape and size of your home theater (not to mention the size of your budget) should determine the type of television you need; however, the general consensus in the consumer electronics industry is that widescreen sets will eventually replace conventional televisions. Our Shoppers Guide focuses on widescreen direct-view sets (glass-tube types) and rear-projection televisions. The TVs listed offer exceptional picture quality. If you're searching for just the right TV, we encourage you to study the chart, explore the sales floors of various retail stores, and make an informed decision. A widescreen television is an investment but one we think is well worth it. ■

## WIDESCREEN GUIDE

Brand	Model Number	List Price	Screen Size (Inches)	HDTV	Built-In ATSC Tuner	Built-In NTSC Tuner	NBR of Channels	Electronic Program Guide
B & O (BANG & OLUFSEN) BeoVision	Avant	\$8,500.00	30W	Capable	No	Yes	181	No
OAEWOO Digital	OSC-3070	NA	30W	Capable	No	Yes	181	No
OAEWOO Digital	OSJ-6000	NA	60W	Capable	No	Yes	181	No
OAEWOO SuperFlat	DTQ-34Z9FS	NA	34W	No	No	Yes	181	No
FAROUOJA	RP4800	\$18,900.00	48W	Capable	No	No	0	No
FAROUOJA	RP5800	\$35,000.00	57W	Capable	No	No	0	No
HITACHI UltraVision Digital	53SWX01W	\$3,999.95	53W	Capable	No	Yes	181	No
HITACHI UltraVision Digital	61HDX01W	\$5,999.95	61W	Yes	Yes	Yes	181+HD	No
HITACHI UltraVision Digital	61SWX01W	\$4,999.95	61W	Capable	No	Yes	181	No
HITACHI UltraVision Digital/DLP	55DMX01W	\$12,995.95	55W	Capable	Opt.	Yes	181	No
JVC O'Ahia	AV-S61S902	\$12,999.00	61W	Capable	No	Yes	181	No
KONKA	H03098U	\$2,999.00	30W	Yes	Yes	Yes	181	No
KONKA	HR3093U	\$1,999.00	30W	Capable	Yes	Yes	181	No
KONKA	SR3496U	\$3,000.00	34W	Capable	No	Yes	181	No
KONKA	SR3498U	\$2,999.00	34W	Yes	Yes	Yes	181+HO	No
LOEWE Aconda	AC09393PB	\$3,800.00	30W	Capable	Opt.	Yes	181	No
LOEWE Aconda	AC09383A	\$5,000.00	38W	Capable	Opt.	Yes	181	No
LOEWE Aconda	AC09383PB	\$5,500.00	38W	Capable	Opt.	Yes	181	No
LOEWE Aconda	AC09383S	\$5,500.00	38W	Capable	Opt.	Yes	181	No
LOEWE Planus	PLA530 Console	\$4,400.00	30W	No	No	Yes	181	No
LOEWE Planus	PLA530 Table	\$3,800.00	30W	No	No	Yes	181	No
MARANTZ High Definition Series	PV5580W	\$5,999.00	55W	Capable	Opt.	Yes	181	GUIDE PLUS+GOLD
MARANTZ High Definition Series	PV6080W	\$6,499.00	60W	Capable	Opt.	Yes	181	GUIDE PLUS+GOLD
MARANTZ High Definition Series	HO-6400W	\$12,000.00	64W	Yes	Yes	Yes	181	TV GUIDE PLUS+
MARANTZ High Definition Series	PV6480W	\$9,999.00	64W	Capable	Opt.	Yes	181	GUIDE PLUS+GOLD
MITSUBISHI Platinum Series	WS-4680S	\$3,799.00	46W	Capable	No	Yes	181	No
MITSUBISHI Platinum Series	WT-4680T	\$3,499.00	46W	Capable	No	Yes	181	No
MITSUBISHI Platinum Series	WS-5580S	\$4,499.00	55W	Capable	No	Yes	181	No
MITSUBISHI Platinum Series	WS-5580T	\$3,999.00	55W	Capable	No	Yes	181	No
MITSUBISHI Platinum Series	WS-6580T	\$4,499.00	65W	Capable	No	Yes	181	No
MITSUBISHI Platinum Plus Series	WS-5585T	\$4,499.00	55W	Capable	No	Yes	181	No
MITSUBISHI Platinum Plus Series	WS-6585T	\$4,999.00	65W	Capable	No	Yes	181	No
MITSUBISHI Diamond Series	WS-5590S	\$5,499.00	55W	Capable	No	Yes	181	No
MITSUBISHI Diamond Series	WS-5590T	\$4,999.00	55W	Capable	No	Yes	181	No
MITSUBISHI Diamond Series	WS-6590S	\$6,499.00	65W	Capable	No	Yes	181	No
MITSUBISHI Diamond Series	WS-6590T	\$5,499.00	65W	Capable	No	Yes	181	No
MITSUBISHI Diamond Series	WS-7390S	\$9,999.00	73W	Capable	No	Yes	181	No
MITSUBISHI Diamond Series	WS-7390T	\$9,999.00	73W	Capable	No	Yes	181	No
MITSUBISHI Diamond Series/DLP	WD-65000	\$10,000.00	65W	Capable	Opt.	Yes	181	No
PANASONIC Tau Series	CT-34WOM60	\$5,999.95	34W	Capable	No	Yes	181	No
PANASONIC Tau PureFlat	CT-34WXF50	\$4,499.95	34W	Capable	No	Yes	181	No
PANASONIC Tau PureFlat	PT-56WXF95	\$4,499.95	56W	Capable	Opt.	Yes	181	No
PANASONIC Tau PureFlat	PT-65WX50	\$4,999.95	65W	Capable	Opt.	Yes	181	No
PANASONIC DLP	PT-52DL10	\$12,999.00	52W	Capable	Opt.	Yes	181	No
PHILIPS	30PW9815	\$2,999.00	30W	Capable	No	Yes	181	No
PHILIPS	30PW9817	\$2,999.00	30W	Capable	No	Yes	181	No
PHILIPS	34PH9915	\$4,999.00	34W	Yes	Yes	Yes	181	GUIDE PLUS+GOLD
PHILIPS	34PW9815	\$3,999.95	34W	Capable	No	Yes	181	GUIDE PLUS+GOLD
PHILIPS	34PW9817	\$3,999.00	34W	Capable	No	Yes	181	GUIDE PLUS+GOLD
PHILIPS	34PW9847	\$4,999.00	34W	Capable	No	Yes	181	GUIDE PLUS+GOLD
PHILIPS	55PP9701	\$4,799.00	55W	Capable	No	Yes	181	GUIDE PLUS+GOLD
PHILIPS	60PP9701	\$5,299.00	60W	Capable	No	Yes	181	GUIDE PLUS+GOLD
PHILIPS HOTV	64PH9905	\$9,990.00	64W	Yes	No	Yes	181	TV GUIDE PLUS+
PHILIPS HOTV	64PP9901	\$9,990.00	64W	Yes	No	Yes	181	TV GUIDE PLUS+
PIONEER	SD-532HD5	\$4,499.00	53W	Capable	Opt.	Yes	181	No
PIONEER	SD-582HD5	\$5,499.00	58W	Capable	Opt.	Yes	181	No
PIONEER	SD-641HD5	\$6,999.00	64W	Capable	No	Yes	181	No
PIONEER Elite	PRO-710HD	\$8,300.00	64W	Capable	Opt.	Yes	181	No



## WIDESCREEN GUIDE

Brand	Model Number	List Price	Screen Size (Inches)	HDTV	Built-In ATSC Tuner	Built-In NTSC Tuner	NBR of Channels	Electronic Program Guide
PRINCETON GRAPHICS	AF3.0HD	\$4,100.00	30W	Yes	Yes	Yes	0	No
PRDSCAN HDTV	PS34000	\$3,499.00	34W	Yes	Yes	Yes	181	TV GUIDE+GOLD
PRDSCAN HDTV	PS38000	\$3,999.00	38W	Yes	Yes	Yes	181	TV GUIDE+GOLD
PRDSCAN HDTV	PS61000	\$7,999.00	61W	Yes	Yes	Yes	181+HD	No
PROSCAN HDTV	PS65000	\$5,299.00	65W	Yes	Yes	Yes	181+HD	No
PRDTON ProFlat	WPT-36PH1	\$5,000.00	34W	Capable	Opt.	Yes	181	No
RCA Digital HDTV	F38310	\$3,799.00	38W	Yes	Yes	Yes	181	TV GUIDE+GOLD
RCA Digital HDTV	P61310	\$4,999.00	61W	Yes	Yes	Yes	181+HD	No
RCA Lcos	L50000	\$7,000.00	50W	Capable	Yes	Yes	181+HD	No
RUNCO Reflection	VX-7200c	\$19,995.00	72W	Capable	Dpt.	Yes	181	No
RUNCD Reflection	VX-8400c	NA	84W	Capable	Opt.	Yes	181	No
RUNCD Widescreen	DTV-5801	\$9,995.00	58W	Capable	No	Yes	181	No
RUNCO Widescreen	DTV-5801c	\$14,995.00	58W	Capable	No	Yes	181	No
RUNCD Widescreen	DTV-991 RP	\$29,994.00	58W	Capable	Dpt.	Yes	181	No
SAMPO AMERICA Widescreen HD	SME-34WHD5	\$3,499.00	34W	Capable	Opt.	Yes	181	No
SAMSUNG Tantus - Pure Flat	TSK3000F	\$2,199.00	30W	Yes	No	Yes	181	No
SAMSUNG Tantus	HCH652W	\$7,999.00	65W	Capable	No	Yes	181	No
SAMSUNG Tantus - DynaFlat ED	TSK3092WF	\$2,199.99	30W	Capable	No	Yes	181	No
SAMSUNG Tantus - DynaFlat HD	TSL3095WF	\$2,199.99	30W	Capable	No	Yes	181	No
SAMSUNG Tantus - DynaFlat HD	TSL-3099HR	\$2,999.00	30W	Capable	Dpt.	Yes	181	No
SAMSUNG Tantus - LCD	PLH403W	\$2,499.00	40W	No	No	Yes	181	No
SAMSUNG Tantus - LCD	PLK405W	\$2,299.00	40W	Capable	No	Yes	181	No
SAMSUNG Tantus - LCD	PLK405W	\$2,299.00	40W	No	No	Yes	181	No
SAMSUNG Tantus - LCD	SLK407W	\$3,499.00	40W	Capable	No	Yes	181	No
SAMSUNG Tantus - LCD	SLK407W	\$3,499.00	40W	Capable	No	Yes	181	No
SAMSUNG Tantus - FLCD	HLK436W	\$5,999.00	43W	Capable	No	Yes	181	No
SAMSUNG Tantus - FLCD	HLK506W	\$6,999.00	50W	Capable	No	Yes	181	No
SAMSUNG Tantus - HDTV	HCH551W	\$7,999.00	55W	Yes	Yes	Yes	181+HD	No
SAMSUNG Tantus - HDTV	HCH552W	\$3,499.00	55W	Capable	Dpt.	Yes	181	No
SAMSUNG Tantus - HDTV	HCH555W	\$7,999.00	55W	Yes	Yes	Yes	181+HD	Yes
SAMSUNG Tantus - HDTV	HCH651W	\$9,999.00	65W	Yes	Yes	Yes	181+HD	Yes
SAMSUNG Tantus - HDTV	HCH655W	\$8,499.00	65W	Capable	Opt.	Yes	181	No
SHARP Pure Flat	34N-WF5H	\$4,999.99	34W	Capable	Dpt.	Yes	181	No
SHARP SharpVision	55RWP5H	\$4,499.00	55W	Capable	Dpt.	Yes	181	No
SHARP SharpVision	LC-R60H DU	\$49,995.00	60W	Yes	Yes	Yes	181+HD	GUIDE PLUS+GOLD
SHARP SharpVision	61RWP5H	\$4,999.00	61W	Capable	Dpt.	Yes	181	No
SHARP SharpVision	64LHP4000	\$6,499.00	64W	Capable	Yes	Yes	181+HD	GUIDE PLUS+GOLD
SHARP SharpVision	64LHP5000	\$9,999.00	64W	Yes	Yes	Yes	181+HD	GUIDE PLUS+GOLD
SDNY XBR-WegaHD	KW-34HD1	\$8,499.99	34W	Yes	Yes	Yes	181	No
SDNY XBR-WegaHD	KW-34HD2	\$5,500.00	34W	Capable	Yes	Yes	181	No
SDNY Hi-Scan	KP-57XBR10W	\$4,499.00	57W	Capable	Opt.	Yes	181	No
SONY Hi-Scan	KP-65XBR10W	\$5,499.00	65W	Capable	Opt.	Yes	181	No
SONY VideoScopeHD	KWP-57HD2	\$6,000.00	57W	Yes	Yes	Yes	181+HD	No
SONY VideoScopeHD	KWP-65HD1	\$10,999.99	65W	Yes	Yes	Yes	181+HD	No
SDNY VideoScopeHD	KWP-65HD2	\$7,000.00	65W	Yes	Yes	Yes	181+HD	No
SDNY Grand Wega	XBR	NA	50W	Capable	Dpt.	Yes	181	No
TOSHIBA TheaterWide	TW40X81	\$2,999.99	40W	Capable	No	Yes	181	No
TOSHIBA TheaterWide	TW56X81	\$4,999.99	56W	Capable	No	Yes	181	No
TOSHIBA TheaterWide	TW65X81	\$6,499.99	65W	Capable	No	Yes	181	No
TOSHIBA TheaterWideHD	40H80	\$2,999.99	40W	Capable	Dpt.	Yes	181	No
TOSHIBA TheaterWideHD	56H80	\$4,499.99	56W	Capable	Dpt.	Yes	181	No
TOSHIBA TheaterWideHD	65H80	\$5,499.99	65W	Capable	Dpt.	Yes	181	No
TOSHIBA TheaterWideHD	DX65X91	\$8,499.99	65W	Yes	Yes	Yes	181+HD	Yes/ADV.
TOSHIBA Cinema SeriesHD	CW34X92	\$4,499.99	34W	Capable	Opt.	Yes	181	No
ZENITH Inteq-HD	IQB56W10G	\$8,495.95	56W	Yes	Yes	Yes	181+HD	GUIDE PLUS+GOLD
ZENITH Inteq-HD	IQB64W10W	\$9,999.95	64W	Yes	Yes	Yes	181+HD	GUIDE PLUS+GOLD

NOTE: All models include Digital Noise Reduction

## WIDESCREEN GUIDE

Brand	Model Number	Type of Remote	Comb Filter	Horizontal Resolution	Special Picture Tube	Brightness (FTLMBTS)	Progressive Scan
B & O (BANG & OLUFSEN) BeoVision	Avant	Universal	2-Line Dig.	480p/1080i	CRT W/INVAR	NA	Yes
DAEWOO Digital	DSC-3070	Universal	3-Line Dig.	480p/1080i	PURE FLAT w/D.77 dot pitch & INVAR	NA	Yes
DAEWOD Digital	DSJ-6000	Universal	3-Line Dig.	480p/1080i	7" CRT	200	Yes
DAEWOO SuperFlat	DTQ-34Z9FS	Universal	Yes	500	SUPERFLAT W/INVAR	NA	Yes
FAROUDJA	RP4800	Standard	Dig.	1080i	7" CRT HD145 Oata Grade Lens	NA	Yes
FAROUDJA	RP5800	Standard	Dig.	1080i	8" CRT Short Throw, ColorCorr.	NA	Yes
HITACHI UltraVision Digital	53SWX01W	Universal	3D-Y/C	1000(480p/1080i)	7" CRT ULTRAFOCUS SB 6-ELEMENT LENS SYSTEM	390	Yes
HITACHI UltraVision Digital	61HDX01W	Universal	3D-Y/C	1080i/540p	7" CRT/HD DISPLAY DRIVERS w/HD OPTICS	450	Yes
HITACHI UltraVision Digital	61SWX01W	Universal	3D-Y/C	1000(480p/1080i)	7" CRT ULTRAFOCUS SB 6-ELEMENT LENS SYSTEM	390	Yes
HITACHI UltraVision Digital/DLP	55DMX01W	Universal	3D-Y/C	720p (1280x720 pixels)	DLP (DMD semiconductor chip w/920K micromirrors) w/10-ELEMENT LENS	350 (500:1 contrast)	Yes
JVC O'Alia	AV-S61S902	Universal	3D-Y/C	1080i/480p (1028K pixels)	D-ILA Hologram Device (1.22" single panel)	NA	Yes
KONKA	HD3098U	Standard	3D-Y/C	1080i/480p	FLAT TUBE/DK.TINT	NA	Yes
KONKA	HR3093U	Standard	3D-Y/C	480p/1080i	FLAT TUBE/DK.TINT	NA	Yes
KONKA	SR3496U	Standard	3D Dig.	480p/1080i	FLAT HD PICTURE TUBE	NA	Yes
KONKA	SR3498U	Universal	3D Dig.	480p/1080i	FLAT HD PICTURE TUBE	NA	Yes
LOEWE Aconda	AC09393PB	Universal	Dig.	480p/1080i	REAL FLAT W/INVAR	NA	Yes
LOEWE Aconda	AC09383A	Universal	4H Adaptive	480p/1080i	PERFORMAX (0.78 dot pitch) W/INVAR	NA	Yes
LOEWE Aconda	ACD9383PB	Universal	4H Adaptive	480p/1080i	PERFORMAX (0.78 dot pitch) W/INVAR	NA	Yes
LDEWE Aconda	ACD9383S	Universal	4H Adaptive	480p/1080i	PERFORMAX (0.78 dot pitch) W/INVAR	NA	Yes
LOEWE Planus	PLA530 Consolette	Universal	Dig.	480P	DARK TINT W/INVAR	NA	Yes
LDEWE Planus	PLA530 Table	Universal	Dig.	480P	DARK TINT W/INVAR	NA	Yes
MARANTZ High Definition Series	PV5580W	Universal	3D-Y/C	1080i/480p (1500x1080)	7" CRT w/Delta 79 Hybrid Lens	550	Yes
MARANTZ High Definition Series	PV6080W	Universal	3D-Y/C	1080i/480p (1500x1080)	7" CRT w/Delta 79 Hybrid Lens	550	Yes
MARANTZ High Definition Series	HD-6400W	Learning	3-Line Dig.	1080i (1920x1080)	9" CRT w/ HD Lens	NA	Yes
MARANTZ High Definition Series	PV6480W	Universal	3D-Y/C	1080i/480p (1920x1080)	9" CRT w/Delta 79 Hybrid Lens	550	Yes
MITSUBISHI Platinum Series	WS-4680S	Universal	3D-Y/C	480p (1200)	7" CRT w/6-ELEMENT HYBRID LENS	250	No
MITSUBISHI Platinum Series	WT-4680T	Universal	3D-Y/C	480p/960i	7" CRT w/HI-RES 5-ELEMENT HYBRID LENS	250	Yes
MITSUBISHI Platinum Series	WS-5580S	Universal	3D-Y/C	480p (1200)	7" CRT w/6-ELEMENT HYBRID LENS	250	No
MITSUBISHI Platinum Series	WS-5580T	Universal	3D-Y/C	480p/960i	7" CRT w/HI-RES 5-ELEMENT HYBRID LENS	250	Yes
MITSUBISHI Platinum Series	WS-6580T	Universal	3D-Y/C	480p/960i (1200)	7" CRT w/HI-RES 5-ELEMENT EDF LENS	250	Yes
MITSUBISHI Platinum Plus Series	WS-5585T	Universal	3D-Y/C	480p/960i (1200)	7" CRT w/HI-RES 5-ELEMENT EDF LENS	250	Yes
MITSUBISHI Platinum Plus Series	WS-6585T	Universal	3D-Y/C	480p/960i (1200)	7" CRT w/HI-RES 5-ELEMENT EDF LENS	250	Yes
MITSUBISHI Diamond Series	WS-5590S	Universal	3D-Y/C	480p (1200)	7" CRT w/5-ELEMENT EDF LENSES-BK.TINT	310	No
MITSUBISHI Diamond Series	WS-5590T	Universal	3D-Y/C	480p/960i (1200)	7" CRT w/TRU-FOCUS 5-ELEMENT HYBRID LENS	250	Yes
MITSUBISHI Diamond Series	WS-6590S	Universal	3D-Y/C	480p (1200)	7" CRT w/5-ELEMENT EDF LENSES-BK.TINT	310	No
MITSUBISHI Diamond Series	WS-6590T	Universal	3D-Y/C	480p/960i (1200)	7" CRT w/TRU-FOCUS 5-ELEMENT HYBRID LENS	250	Yes
MITSUBISHI Diamond Series	WS-7390S	Universal	3D-Y/C	1200	9" CRT w/6-ELEMENT EDF LENSES	250	No
MITSUBISHI Diamond Series	WS-7390T	Universal	3D-Y/C	480p/960i (1200)	9" CRT w/TRU-FOCUS 6-ELEMENT HYBRID LENS	250	Yes
MITSUBISHI Diamond Series/DLP	WD-65000	Universal	3D-Y/C	720p (1280x720 pixels)	DLP (DMD semiconductor chip w/920K micromirrors) w/9-ELEMENT LENS	350	Yes
PANASONIC Tau Series	CT-34WDM60	Universal	3-Line Dig.	480p (1080i)	SUPERFLAT OATA GRADE W/INVAR	NA	Yes
PANASONIC Tau PureFlat	CT-34WXF50	Universal	3D-Y/C	480p (1080i)/800	PUREFLAT W/SUPER INVAR	NA	Yes
PANASONIC Tau PureFlat	PT-56WXF95	Universal	3D-Y/C	850 (480p/720p/1080i)	7" CRT HI-RES.- 5 ELEMENT LENS	350	Yes
PANASONIC Tau PureFlat	PT-65WX50	Universal	3D-Y/C	850 (480p/720p/1080i)	7" CRT HI-RES.- 5 ELEMENT LENS	350	Yes
PANASONIC DLP	PT-52DL10	Universal	3D-Y/C	720p (1280x720 pixels)	DLP (DMD semiconductor chip w/920K micromirrors)	300	Yes
PHILIPS	30PW9815	Universal	3-Line Dig.	480p/1080i	REAL FLAT-DK.GLASS/FST	NA	Yes
PHILIPS	30PW9817	Universal	3D-Y/C	480p/1080i	REAL FLAT-DK.GLASS/FST	NA	Yes
PHILIPS	34PH9915	Universal	3-Line Dig.	480p/1080i	REAL FLAT-OK.GLASS/FST	NA	Yes
PHILIPS	34PW9815	Universal	3-Line Dig.	480p/1080i	REAL FLAT-DK.GLASS/FST	NA	Yes



The background of the advertisement is a photograph of a modern interior. In the foreground, a black leather lounge chair with a chrome frame is partially visible. In the background, two tall, black, rectangular floor-standing speakers are positioned on either side of the central text. The lighting is warm and ambient, creating a sophisticated atmosphere.

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## WIDESCREEN GUIDE

Brand	Model Number	Type of Remote	Comb Filter	Horizontal Resolution	Special Picture Tube	Brightness (FTLMBTS)	Progressive Scan
PHILIPS	34PW9817	Universal	3D-Y/C	480p/1080i	REAL FLAT-DK.GLASS/FST	NA	Yes
PHILIPS	34PW9847	Universal	3D-Y/C	480p/1080i	REAL FLAT-DK.GLASS/FST	NA	Yes
PHILIPS	55PP9701	Universal	3D-Y/C	1500x1080i	7" DELTA 79/79 w/Large Diameter Lens CRT & First Surface Mirrors	550	Yes
PHILIPS	60PP9701	Universal	3D-Y/C	1500x1080i	7" DELTA 79/79 w/Large Diameter Lens CRT & First Surface Mirrors	550	Yes
PHILIPS HOTV	64PH9905	Universal	3-Line Dig.	1080i	9" CRT w/ HD Lens	NA	No
PHILIPS HDTV	64PP9901	Universal	3-Line Dig.	1080i	9" CRT w/ HD Lens	NA	No
PIONEER	SD-532HD5	Universal	3D-Y/C	1000/1080i	7" CRT - INVERTED HD LARGE EMITTER	580	Yes
PIONEER	SD-582HD5	Universal	3D-Y/C	1000/1080i	7" CRT - INVERTED HD LARGE EMITTER	480	Yes
PIDNEER	SD-641HD5	Universal	3D-Y/C	480p (1080i)	7" CRT/HIGH RES.BK.SCREEN-0.52mm Super Fine Pitch	400	Yes
PIONEER Elite	PRD-710HD	Universal	3D-Y/C	1400 (480p/1080i)	7" CRT/HIGH RES.BK.SCREEN	400	Yes
PRINCETON GRAPHICS	AF3.0HD	Universal	Dig.	480p/1080i	DPPII w/Microfilter (D.63mm Pitch) W/INVAR	NA	Yes
PROSCAN HDTV	PS34000	Universal	3D-Y/C	1080i/480p/540p	PERFORMAX (0.72 dot pitch) W/INVAR	NA	Yes
PROSCAN HDTV	PS38000	Universal	3D-Y/C	1080i/480p/540p	PERFORMAX (0.78 dot pitch) W/INVAR	NA	Yes
PROSCAN HDTV	PS61000	Universal	Frame	1920x1080i/540p	7" CRT/HD DISPLAY DRIVERS w/HD OPTICS	450	No
PROSCAN HDTV	PS65000	Universal	3D-Y/C	1080i/540p/480p	7" CRT/HD DISPLAY DRIVERS w/HD OPTICS	450	Yes
PROTDN ProFlat	WPT-36PH1	Universal	3-Line Dig.	1080i/480p	PRDFLAT W/INVAR	NA	Yes
RCA Digital HDTV	F38310	Universal	3D-Y/C	1080i/480p/540p	PERFORMAX (0.78 dot pitch) W/INVAR	NA	Yes
RCA Digital HDTV	P61310	Universal	3D-Y/C	1080i/540p/480p	7" CRT/HD DISPLAY DRIVERS w/HD OPTICS	450	No
RCA Lcos	L50000	Learning	3D-Y/C	720p (1280x720) (2.76mm)	DLP (DMD semiconductor chip w/920K micromirrors) w/9-ELEMENT LENS	NA	Yes
RUNCD Reflection	VX-7200c	Universal	3D-Y/C	720p (1280x720 pixels)	DLP (DMD semiconductor chip w/920K micromirrors) w/9-ELEMENT LENS	1000	Yes
RUNCO Reflection	VX-8400c	Universal	3D-Y/C	720p (1280x720 pixels)	LCOS (Liquid Crystal On Silicon) DLP w/11-element HD lens	1100	Yes
RUNCO Widescreen	DTV-5801	Universal	3D-Y/C	1600	7" CRT HI PERFORMANCE w/ELECTROSTATIC FOCUS	850	Yes
RUNCD Widescreen	DTV-5801c	Universal	3D-Y/C	1600	7" CRT HI PERFORMANCE w/ELECTROSTATIC FOCUS	850	Yes
RUNCO Widescreen	DTV-991 RP	Universal	3D-Y/C	1600	8" CRT HI PERFORMANCE w/ELECTROSTATIC FOCUS	1250	Yes
SAMPO AMERICA Widescreen HD	SME-34WHD5	Standard	3D-Y/C	480i/480p/1080i	PURE FLAT W/INVAR	NA	Yes
SAMSUNG Tantus - Pure Flat	TSK3000F	Universal	3D-Y/C	480p	PURE FLAT W/INVAR	NA	Yes
SAMSUNG Tantus	HCJ652W	Universal	3-Line Dig.	480P (800)	9" CRT HD LENS	NA	Yes
SAMSUNG Tantus - DynaFlat ED	TSK3092WF	Universal	3D-Y/C	480p/800	DYNAFLAT EXTENDED DEF.W/INVAR	NA	Yes
SAMSUNG Tantus - DynaFlat HD	TSL3095WF	Universal	3D-Y/C	480p	DYNAFLAT EXTENDED DEF.W/INVAR	NA	Yes
SAMSUNG Tantus - DynaFlat HD	TSL-3099HR	Universal	3D-Y/C	480p/1080i	DYNAFLAT EXTENDED DEF.W/INVAR	NA	Yes
SAMSUNG Tantus - LCD	PLH403W	Universal	3-Line Dig.	760K PIXELS	LCD w/11-ELEMENT HYBRID LENS	NA	Yes
SAMSUNG Tantus - LCD	PLK405W	Universal	3D-Y/C	480p	LCD	NA	Yes
SAMSUNG Tantus - LCD	PLK405W	Universal	3D-Y/C	480p	LCD w/11-ELEMENT HYBRID LENS	NA	Yes
SAMSUNG Tantus - LCD	SLK407W	Universal	3D-Y/C	720p	1.4" TFT-LCD High Resolution	NA	Yes
SAMSUNG Tantus - LCD	SLK407W	Universal	3D-Y/C	720p	1.4" TFT-LCD High Resolution w/11-ELEMENT HYBRID LENS	NA	Yes
SAMSUNG Tantus - FLCO	HLK436W	Universal	3D-Y/C	720p	Ferroelectric LCD High Resolution	NA	Yes
SAMSUNG Tantus - FLCD	HLK506W	Universal	3D-Y/C	720p	Ferroelectric LCD High Resolution	NA	Yes
SAMSUNG Tantus - HDTV	HCH551W	Universal	3-Line Dig.	1080i (800)	7" CRT w/HD LENSES	250	Yes
SAMSUNG Tantus - HDTV	HCJ552W	Universal	3-Line Dig.	1080i/480p	7" CRT w/HD LENSES	NA	Yes
SAMSUNG Tantus - HDTV	HCJ555W	Universal	3-Line Dig.	1080i	7" CRT w/HD LENSES	250	Yes
SAMSUNG Tantus - HDTV	HCJ651W	Universal	3-Line Dig.	1080i	9" CRT w/HD LENSES	250	Yes
SAMSUNG Tantus - HDTV	HCJ655W	Universal	3-Line Dig.	1080i/480p	9" CRT w/HD LENSES	250	Yes
SHARP Pure Flat	34N-WF5H	Universal	3D-Y/C (10-Bit)	480p/1080i	PURE FLAT W/INVAR	NA	Yes
SHARP SharpVision	55RWP5H	Universal	3D-Y/C	540p/1080i	7" CRT w/HD LENSES	250	Yes
SHARP SharpVision	LC-R60H DU	Universal	3D-Y/C	1280x1024 (3.93K Pixels)	3.2" -in. wide G-silicon LCD panels (Red, Green, Blue)	400	No
SHARP SharpVision	61RWP5H	Universal	3D-Y/C	540p/1080i	7" CRT w/HD LENSES	250	Yes
SHARP SharpVision	64LHP4000	Universal	3D-Y/C	480p	7" CRT w/HD LENSES	250	Yes
SHARP SharpVision	64LHP5000	Universal	3D-Y/C	1080i	7" CRT w/HD LENSES	250	No
SONY XBR-WegaHD	KW-34HD1	Universal	3-Line Dig.	1080i	FD WEGA TRINITRON	NA	Yes



## WIDESCREEN GUIDE

Brand	Model Number	Type of Remote	Comb Filter	Horizontal Resolution	Special Picture Tube	Brightness (FTLMBTS)	Progressive Scan
SDNY XBR-WegaHD	KW-34HD2	Universal	3-Line Dig.	1080i	FD WEGA TRINITRON	NA	Yes
SONY Hi-Scan	KP-57XBR10W	Universal	3D-Y/C	1080i/960i/480p	7" CRT HD MICROFOCUS/EX.OEF.w/5-ELEMENT LENS	250	Yes
SONY Hi-Scan	KP-65XBR10W	Universal	3D-Y/C	1080i/960i/480p	7" CRT HD MICROFOCUS/EX.OEF.w/5-ELEMENT LENS	250	Yes
SONY VideoScopeHD	KWP-57HD2	Universal	3-Line Dig.	1080i	7" CRT EX.DEF.W/DELTA 79 LENS	250	Yes
SDNY VideoScopeHD	KWP-65HD1	Universal	3-Line Dig.	1080i	7" CRT EX.DEF.W/DELTA 79 LENS	250	Yes
SDNY VideoScopeHD	KWP-65HD2	Universal	3-Line Dig.	1080i	7" CRT EX.DEF.W/DELTA 79 LENS	250	Yes
SDNY Grand Wega	XBR	Universal	3D-Y/C	720p	Advanced LCD High Resolution	NA	Yes
TOSHIBA TheaterWide	TW40X81	Universal	3D-Y/C	1200	7" CRT PDWER FOCUS HD	600	Dig.
TDSHIBA TheaterWide	TW56X81	Universal	3D-Y/C	480P/120	7" CRT POWER FOCUS HD	600	Dig.
TDSHIBA TheaterWide	TW65X81	Universal	3D-Y/C	480P/1200	7" CRT POWER FOCUS HD	600	Dig.
TDSHIBA TheaterWideHD	40H80	Universal	3D-Y/C	1200/1080i	7" CRT POWER FOCUS HD w/6-ELEMENT LENS	600	Yes
TDSHIBA TheaterWideHD	56H80	Universal	3D-Y/C	1600/1080i	7" CRT POWER FOCUS HD w/6-ELEMENT LENS	600	Yes
TOSHIBA TheaterWideHD	65H80	Universal	3D-Y/C	1600/1080i	7" CRT POWER FOCUS HD w/6-ELEMENT LENS	600	Yes
TDSHIBA TheaterWideHD	DX65X91	Learning	3D-Y/C	540P/1080i	7" CRT POWER FOCUS HD w/6-ELEMENT LENS SYS.	600	Yes
TOSHIBA Cinema SeriesHD	CW34X92	Learning	3D-Y/C	1000/480p/1080i	FST Pure SuperTUBE	NA	Yes
ZENITH Inteq-HD	IQB56W10G	Universal	3-Line Dig.	1080i	7" CRT DELTA 79	800	No
ZENITH Inteq-HD	IQB64W10W	Universal	3-Line Dig.	1080i	9" CRT DELTA 79 w/COLOR CORR.LENSES	800	No

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resolution	<b>22"</b>	<b>20"</b>
HDTV	<b>1600 x 1200</b>	<b>VGA 640 x 480</b>
Scaling	<b>Yes</b>	<b>No</b>
4 Color Temp	<b>Yes</b>	<b>No</b>
Case	<b>Aluminum</b>	<b>Plastic</b>
MSRP	<b>\$5195</b>	<b>\$5995</b>



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# TRAILBLAZING in Portland

**Custom cabinetry brings harmony  
to rooms with large screen TVs**

PHOTOGRAPHY BY NICK GARIBBO

When one Portland sports superstar and his wife purchased their new home in the spring of 1999, they immediately knew of a few enhancements that would showcase their modern sensibilities. Being true audio/video enthusiasts, the first task was to call in specialists to handle the setup of not one, but four theater systems as well as an audio system that could shake the house down. The couple contacted Jamie Dull and his veteran staff at Home Theater Experts to make their A/V dreams a reality.

Among their specific desires was a dedicated theater room with full THX capability. "There really is a magical element with the impact of THX sound," says Dull. "It is very unique and can make a theater system come alive." A relatively small room (15- x 15-feet with 14-foot ceilings), the theater showcases a full THX ultra system that includes a Pioneer Elite THX Ultra Dolby Digital/DTS receiver and M&K THX speakers and subwoofer (the same speakers used by Lucasfilm, Warner Brothers, and Dolby Laboratories for mixing movie soundtracks). "THX soundtracks are often very bright in small rooms because they are mixed with large auditoriums in mind," explains Dull. "The THX circuits in the Pioneer Elite receiver help adapt the sound for a smaller environment. The THX speakers control the audio dispersion patterns and provide distinct separation between the channels. They also help reduce reflections from the ceiling."

Facing the Pioneer 64-inch Reference









HDTV-ready set is a row of blue deco-style Cinema Chairs from Acoustic Innovations. To the side of the seats is a recessed cabinet that provides easy access to the receiver as well as a DVD/laserdisc player and VCR, leaving the front wall of the theater uncluttered.

Direct and ambient sound is supplied from the rear by M&K THX tripole surround. Home Theater Experts' custom speaker engineer, Mark Brannan, solved the placement of the front L/C/R speakers by building baffles on which to mount them. "The use of custom baffles improves the sound transmission into the room," Dull explains. "It eliminates the 'boxy' sound you get from placing the speakers in a cabinet." The result is a dedicated theater with sound that is well balanced, intimate and powerful.

The home's interior design—a traditional Mediterranean style—was complemented by the homeowners' personal

style with a unique use of metal and glass with the help of Amato Johnson Designs. Their clients' favorite room, perhaps, is the billiard room, featuring a stainless steel ceiling—a perfect, unique match to the silver painted doors, columns and pool table. A Pioneer 50-inch plasma HDTV-ready monitor sits over the fireplace, while the cabinetry is designed to fit snugly around the edges of the television screen. Designed and built by Carey's Custom Woodworking, the cabinet is one of Dull's favorite elements.

PSB in-wall/in-ceiling speakers were chosen for use with each of the three other theater systems in the home, including the billiard room. "The homeowners are audiophiles, and they wanted a speaker that could handle a lot of power and produce very high output," says Dull. "The PSB's are very pure with music and, therefore, they were perfect for areas like the billiard room."

Another theater system is located in the family room, which also acts as the center for the home's multi-room audio components. These include a Pioneer 301-disc changer and mini-disc player, an Acurus 200-watt amplifier, and a Pioneer Elite Dolby Digital receiver. A 62-inch Pioneer rear-projection television is the room's focal point along with a bevy of Pioneer and RCA video components located in the surrounding cabinetry.

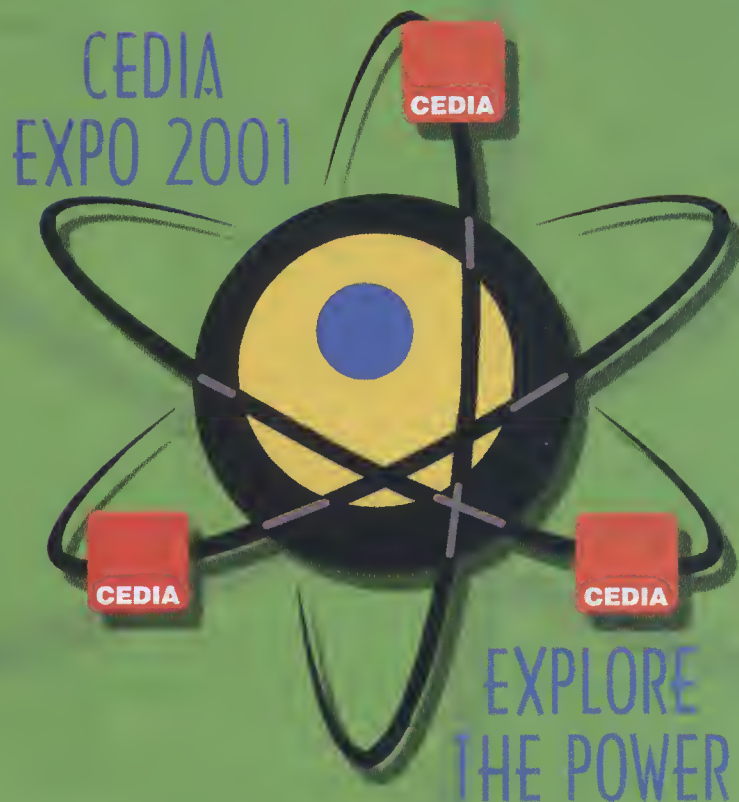
The home was also equipped with a multi-room audio system that includes Niles Audio MP-650 in-wall speakers. Areas where the homeowners planned to do serious music listening were outfitted with PSB dual woofer in-wall speakers. Niles volume controls are located in every room and a Niles Intellipad keypad can be found at work in the office.

The finished project resulted in a superstar-caliber masterpiece thanks to exceptional style in all the right places. ■



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Audio/video Installation by Jamie Dull/Mark Nelson/Mark Brannan, Home Theater Experts, 8269 S.W. Wilsonville Rd., Suite 1, Wilsonville, OR 97070; (503) 570-9090; & Brian Kruse, Inwall Audio/Video and Networking, Inc., 15865 SE 114th, Suite F, Clackamas, OR 97105, (503) 723-6660. Interior Design by Bryce Amato & Pamela Johnson, Amato Johnson Designs; Amato-Johnson Design Group Inc. 10276 NW Alder Grove Lane, Portland, OR 97229; (503) 297-4615; e-mail, AJDesignsinc@aol.com Cabinetry by Carey Hawes, Carey's Custom Woodworking, 34993 S.W. Ladd Hill Rd., Wilsonville, OR 97070, (503) 625-7267.



#### Theater Room

Pioneer Elite PRO-700 64-inch Reference 16X9 HDTV Ready TV  
Pioneer Elite VSX-29TX THX Ultra Dolby Digital/DTS AV receiver  
Pioneer Elite DVL-91 DVD/Laserdisc player  
RCA DTC-100 HDTV satellite receiver  
Toshiba M655 4 Head Hi-Fi VCR  
M&K S-150 THX left and right satellite speakers  
M&K S-150 AC THX angled center channel speaker  
M&K SS-150 THX Tripole surround speakers  
M&K MX-350 THX Dual 12-inch 350W powered subwoofer  
Philips TS-1000 Pronto touchscreen remote with DS-1000 docking module  
Lutron Spacer  
Acoustic Innovations Deco Style Cinema Chairs (Front Row)  
Acoustic Innovations acoustic columns  
Tributaries Silver Interconnect cables  
Tripp Lite surge protector

#### Billiard Room

Pioneer PDP-501MX 50-inch HDTV-ready plasma TV  
Pioneer Elite VSX-26TX THX Ultra Dolby Digital/DTS AV receiver  
Pioneer PDF-1007 301 Disc CD changer  
Pioneer DVL-919 DVD/Laserdisc player  
Pioneer MJ-D707 Mini Disc player  
Toshiba M655 4 Head Hi-Fi VCR  
RCA DTC-100 HDTV satellite receiver  
PSB M6X6.1 Dual Woofer in-wall speakers (LCR)  
PSB M6.1R 6-inch round flush-mount ceiling speakers  
Alternative Acoustics Custom 15-inc/250W subwoofer  
AudioSource MP 5.3 monoblock amplifier  
Philips TS-1000 Pronto touchscreen remote with DS-1000 docking module  
Tributaries Delta interconnect cables  
Tripp Lite surge protector

#### Family Room

Pioneer SD-P 62A3 62-inch rear-projection television

Pioneer Elite VSX-26TX THX Ultra Dolby Digital/DTS AV receiver  
Pioneer PDF-1007 301 Disc CD changer  
Pioneer DVL-919 DVD/Laserdisc player  
Pioneer MJ-D707 Mini Disc player  
Toshiba M655 4 Head Hi-Fi VCR  
RCA DRD515RB Dolby Digital satellite receiver  
Acurus A200 200 Watt 2-Ch power amplifier  
PSB 400i 6-inch 2-Way bookshelf speakers  
Alternative Acoustics Custom center channel speaker  
PSB Subsonic 2i/12-inch 130W powered subwoofer  
PSB M6X1 6-inch in-wall speakers  
Russound PRO-8HD speaker selector  
Philips TS-1000 Pronto touchscreen remote with DS-1000 docking module  
Tributaries Delta interconnect cables  
Tripp Lite surge protector

#### Multi Room Audio Zones

Niles Audio MP-650 in-wall speakers  
Niles Audio VCS-2D volume controls  
Niles Intellipad keypad (office only)  
PSB M6X6.1 dual subwoofer in-wall speakers



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DVD-Video players have been around for a while now, and they offer image and sound quality that far exceed VHS tape. All currently available players have similar features, although each manufacturer includes certain convenience features to distinguish their brand. [More...](#)

**EDITORIAL**

For the last six months, I've had an on-again, off-again relationship with my satellite dish. Like many of the "cable-frustrated," I turned to the unassuming, little dish... [More...](#)

**AVINTERIORS****Trailblazing in Portland**

Multiple THX systems with Pioneer Elite video displays, M&K surround sound speakers and distributed audio from Niles introduce brave new rooms to this Oregon home.



When one Portland sports superstar and his wife purchased their new home in the spring of 1999, they immediately knew of a few enhancements that would showcase their modern sensibilities. [More...](#)

**HOT PRODUCTS**

Over the past four years of reviewing and 20 years of speaker engineering, I have tested a dozen different on-wall and in-wall speaker systems, most of them to my property manager's dismay. [More...](#)

**AVI FLASHBACK****From the April 1994 Issue of AVI  
Thoroughbred Living**

The owners of this Mexican-style villa refine their audio/video tastes while breeding race horses



There are horses, and then there are thoroughbreds. The exquisite beauty of a thoroughbred belongs to an animal designed for exceptional speed and grace. And while the term "thoroughbred" speaks more often of refinement and pedigree... [More...](#)

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### AUTON POP↑UP TV LIFTS

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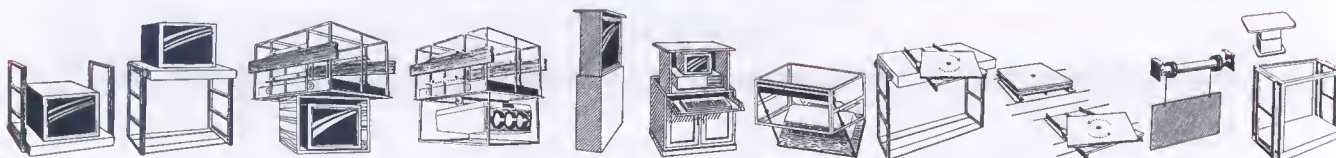
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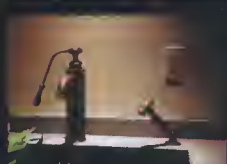


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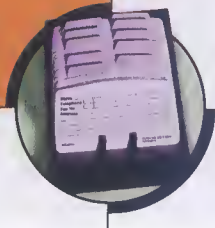
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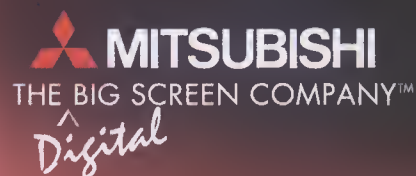
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